

# The Cornell Countryman

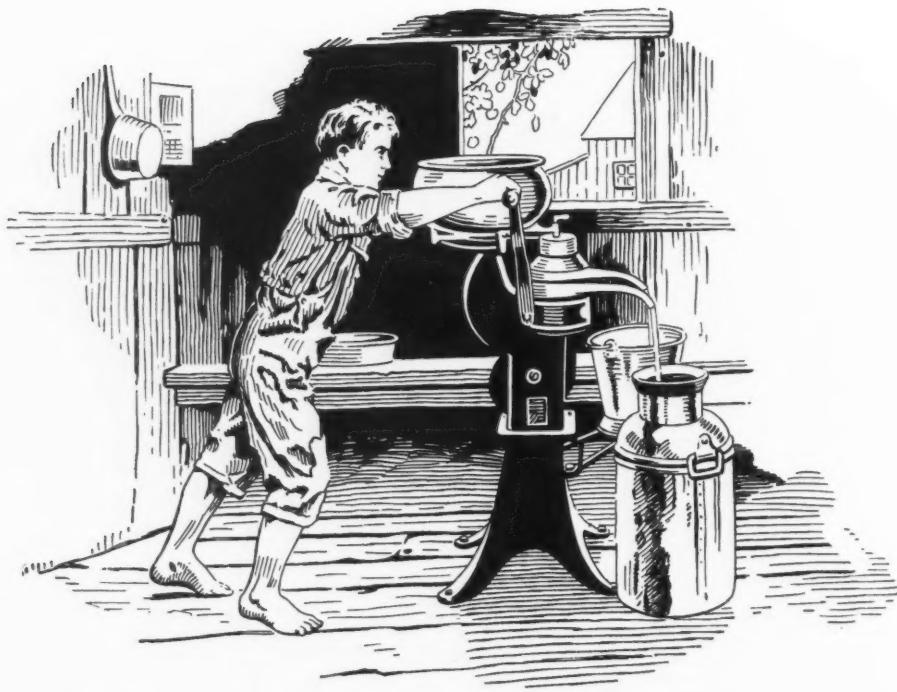
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Volume XXV

OCTOBER  
1927

Number 1



## The Last Long Turn



This monogram appears on G-E motors that run separators, washing machines, saws, milking machines, churns, and pumps—and on G-E MAZDA lamps that light the house, barns, and hen houses. It is a symbol of the endurance built into General Electric products and of the service that stands back of them after they have left the factory.

THERE is always the separator, the woodpile, or the pump to add another hard job at the day's end—before electricity comes to the farm.

Then for a few cents an hour little motors do away with this drudgery. Not only do they run the separator, saw wood, and pump, but they help in the house.

Electricity cooks, washes clothes, cleans carpets, and churns. It pumps water; keeps food fresh. And MAZDA lamps, at the snap of a switch, flood the house or barn with light. "Last long turns" have ceased to bother the farm family that uses electricity.

If you are on an electric line or hope to be soon, ask your electric power company for a copy of the G-E Farm Book which explains many uses for electricity on the farm.

# GENERAL ELECTRIC

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# THE CORNELL COUNTRYMAN



Volume XXV  
October, 1927 to June, 1928

The Cornell Countryman wishes to do four things: publish interesting  
alumni notes, furnish campus news, present the latest agricultural in-  
formation, and stimulate boys and girls to seek the aid of their state  
colleges so they may lead a fuller and finer life.

# The Cornell Countryman

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Incorporated 1914

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## To students of animal husbandry at the New York State College of Agriculture

UNION GRAINS is a mixed dairy feed that conforms in every particular to the principles of animal nutrition that the agricultural college man has had drilled into him in the classroom. The formula from which this Union Grains is manufactured takes due cognizance of the value of proteins from different sources and of the various amino acids, in order that it may be perfect in its balance in relation of protein to carbohydrate and fat—as well as low in fiber.

This means that Union Grains does not contain an over-supply of protein from one source merely because it happens to be cheap. And it also means that with a perfect balance of protein from different sources, combined with just enough molasses to make the feed very palatable, the various functions of animal economy are kept in tune. In consequence, no time or production is lost by the cow failing to get in calf and freshening regularly.

Union Grains has stood the test of time and is commended by a college man to college men.

### THE UBIKO MILLING COMPANY

Dept. Makers of Cincinnati, Ohio

Ubiko "World's Record" Buttermilk Egg Mash

## UNION GRAINS

The first dairy feed made

Entered as second-class mail matter at the Post Office, Ithaca, New York



WILLARD STRAIGHT HALL

# The Cornell Countryman

A Journal of Country Life-Plant, Animal, Human

Volume XXV

October, 1927

Number 1

## The Approach to the Rural Problem

By Liberty Hyde Bailey

RURAL problems are now recognized by the intelligent public. This was not true when the older ones of us were trying to teach; we were obliged to demand attention to them time and again, year in and year out. The institutions now maintain experts and specialists in any number of the aspects of rural welfare, the workers are carefully trained and they devote themselves to their tasks with contagious enthusiasm. A great body of special literature is now available. The student has any number of ready references, whether in economics, sociologies, politics, religion, or in the older field of production. I have seen practically all this literature develop; I am proud of it as the contribution of the time in which it has been my privilege to live.

Yet I do not forget the past, and my mind goes back into it with insistent earnestness. This is not because I desire the past, for I know that the present is the better and the fuller time in which to live. My thought goes back down the years because conditions and affairs were simpler then and it may be easier to discern the fundamentals. We cannot solve the problems with knowledge of the present day alone. Prophecy is conditioned on experience; and the longer the experience and the keener the appreciation of it, the truer will be our judgments. In all the bewildering opinion and achievement, we must not forget.

Farming is the basis and condition of rural life, and farming is "as old as the hills." Through untold centuries people have spread over the earth and have settled themselves on the land and have become adapted to their surroundings

much as have the animals and plants. Their backgrounds and their opinions have centuries in them. These conditions and experiences cannot be understood alone by means of any science that may be developed and named in the present hour. This world-wide settlement on



*L.H. Bailey*

land through the long centuries now meets the impact of industrial and commercial conditions, and inharmonies result; but the study of these industrial and commercial affairs does not disclose the native adaptations and the ageless heredities. I do not look for the settlement of all our rural difficulties in the present generation. Perhaps some of these difficulties are tinted with resistances we do not yet understand.

Civilization is a biological phenomenon. Peculiarly is farming a biological fact. We need every close and honest study in economics and sociology and in what are called the natural sciences, and all the true

and clear figures we can assemble, in order that eventually, in some way, we may interpret them in terms of men and women.

There are reasons that do not appear on the ledger, convictions that the state of trade does not alter, habits that do not yield to analysis, destinies that lie somehow beyond our grasp. These many circumstances may find their explanation, or at least their reason, long in the past. We must still know the separate men and women on the farms, understand their farms, endeavoring with the folks to meet the changing situations, with love and sympathy; and we must not patronize.

We must encourage every farmer to produce the most and best of which he is capable to the end that he may have the fullest self-expression; farming rests still on hopeful production. If there is permanently so much production that the returns are not sufficient to maintain a satisfactory standard of living, then there are too many farmers, not too much production to the man or the acre; or diversification is needed, or a lower cost of production; or marketing and distributing systems are at fault; or there are other disabilities outside the occupation; but we are to understand that good farming is necessary to the making of a good farmer.

It is our duty to relieve all present distresses as far as they are remediable but in doing so we should be careful to maintain the farmer's courage and pride of occupation; dissatisfactions are hard to cure when they reach the heart. A dissatisfied husbandry would constitute a national calamity, for the fertility and goodness of the land are involved.

Just now we hear much about the farmer's attitude toward the great affairs confronting us. There is considerable criticism. All the criticisms I have heard are projected from the point of view of class organization or industrial organization, or essentially urban bias. Yet the farmer must be judged by the place he occupies. Let me give a formula:

The farmer is part of his environment, matching himself into his background, perhaps unconsciously, much as a bird is matched, or a tree, or a quadruped. His

plan of operation, his farm management, is an expression of his situation in nature; he has worked it out because it fits. He can not shift it radically to meet the advice of any other person. As he himself develops in ability, he will modify his plan of operation so far as he can, but the plan must always fit his place in the environment; no great change is possible unless his natural conditions change; he does not make his conditions. The farmer exemplifies in the human range, what the naturalist knows as "adaptation." His

situation does not admit of compromise, and therefore it may not be understood by teachers, publicists, officials, and others.

The consequences of this formula, if it is sound, are tremendous. All the advice given to the farmer that does not recognize his necessary adaptation to his environment is useless; and useless advice is harmful. It is of no advantage to rail against the farmer any more than against the wind or the rain.

—From the book "What is Democracy?"  
by Liberty Hyde Bailey.

## An Eye-full for Insect Pests

By Maurice W. Nixon

**S**PRAYING and dusting have long been resorted to in an effort to combat the hordes of insect pests which devour our crops. For certain species of insects these means are expensive and give only partial control. Therefore some other means which will either



THE INSECT ELECTROCUTOR  
The Screen Carries a High Tension Current Capable of Killing the Pests Instantly

provide better control, or reduce the cost of an equal partial control, or both, is worth serious consideration.

It has long been known that lights have an attraction for certain insects. An attempt to learn something of this light attraction and develop a trap to capture the pests led illuminating engineers and entomologists to co-operate and study the potential possibilities in this field.

There are several cases on record of experiments of this type carried on in Europe, and some in this country; but at best the reports thereon are vague and incomplete.

In New York State intensive laboratory experiments are being made to determine the insect's reaction to lights of various colors and intensities. Field experiments are intended to determine the kinds of insects which can be caught and the best means of trapping them. This necessitates a very careful study of the insects to determine sex and whether or not eggs have been laid before capture, and the conditions which influence the flight and render lights attractive to them. It also requires a study of different traps, and height and position in which to place them. Size and type of bulb to be used is still another factor.

A simple, though effective, light trap was devised, adapted both to permanent

out-door work and to temporary use by attaching an extension cord. This consists of an ash-can cover, handle removed, inverted, and a double bail attached and fastened at the top with a hook. One or two sockets to hold bulbs and the extension cord and plug complete the device. A bright bottom reflects a great deal of light, enhanced by water and white oil in the pan, resulting in a very enticing landing field for the insect. Once in the water and oil, the possibility of escape is negligible.

An ingenious manufacturer has developed an insect electrocutor, a screen door, and window screen having insulated wires carrying a high tension current capable of killing instantly flies, moths, beetles, and other insects which happen to cross the circuit. Although harmless to humans and larger animals and birds, these devices are exceptionally effective in disposing of certain harmful species of insect pests.

Considerable work was done on the codling moth in apple packing rooms and storages. Overwintering in some secluded spot in this shelter, the pest emerges during the warm days of early summer to go out and lay eggs in the adjacent apple orchards. By having a lighted trap in the storage rooms at the time of emergence, moths are attracted to the contrivance and are destroyed in large numbers.

**I**NSECTS are sensitive to changes in temperature, humidity, and light, some species tending to fly in the darkness and choosing, in particular, warm, sultry nights. If the temperature does not fall below 60° F., some of these remain in flight until bright daylight, though the maximum flight is on from nine until eleven o'clock.

It has been shown that temperature is an especially important factor in determining the period of emergence and flight of the adult. This was conclusively proved in the case of codling moth in apple storages. Early in the season there was much doubt as to its presence in the storages, but as the temperature reached about 65° F., they appeared, and in great numbers as the temperature rose to 72° and above.

The catching of beneficial insects is receiving due attention and an attempt will be made to determine the species and relative numbers attracted to lights.

**A** WORD must be said about the spectrum. As we all know, light is a series of wave impulses coming to us at the phenomenal speed of about three billion meters (186,000 miles) a second, each wave being only about .000,000,5 of a meter in length. The human eye is a delicate mechanism so designed as to intercept these waves, and we perceive them as light and color. This includes, however, only the visible spectrum. The rainbow is a good example of colors present in the visible spectrum. The same color phenomenon may be observed by passing white light through a glass prism to a white screen.

Beyond the violet are shorter waves called ultra-violet, invisible to us. At the opposite end of the spectrum are longer waves known as infra-red, and they are also invisible. Their existence is known by their power to make certain materials fluoresce in their presence, by temperature changes, by their chemical actions, and by other characteristics. These invisible rays

(Continued on page 21)



LIGHT TRAPS IN ORCHARD AND FRUIT STORAGE  
The Orchard Trap Consists of Ash-can Cover, a Double Bail, and One or Two Light Sockets.  
The Lighted Storage Trap Destroys the Moths at the Time of Emergence.

# The College Feed Conference Board

By E. S. Savage

IT IS a fundamental principle in the purchase of feeds that the place to buy feed for animals is where you can get the most for a dollar. One can judge best where he can get the most for one dollar if he knows the makeup of the feed that he is buying as to its ingredients, the number of pounds of digestible protein in the mixture, and the pounds of total digestible nutrients. The total digestible nutrients in a feed are computed by first multiplying the digestible fat by the factor  $2\frac{1}{4}$ . A pound of digestible fat has the same feed value from an energy standpoint as  $2\frac{1}{2}$  pounds of digestible carbohydrates or  $2\frac{3}{4}$  pounds of digestible protein. Then to the equivalent feed value of the digestible fat is added the number of pounds of digestible carbohydrates and digestible protein. When the total digestible nutrients in a ton of a given feed have been computed in this way we have a value for that feed which can be compared to the similar value for all other feeds of a like nature. From this we see that the feed to buy is that feed, suitable in all other respects for the purpose intended, which will give us the most total digestible nutrients for one dollar.

In commercial mixed feeds the manufacturer is compelled by law to state the ingredients that he uses to make the mixture. Most manufacturers do not tell us the number of pounds of each ingredient that is used to make up the ton of finished feed. The manufacturer is compelled by law to guarantee a certain minimum amount of total protein, a maximum of total fiber, and a minimum of total fat in each brand that he sells.

This is all helpful, but this information and guarantee do not give the farmer any basis from which to compute the digestible protein in the manufactured feed that he buys nor can he figure the total digestible nutrients in the ton of feed when he buys it. I think manufacturers should go further and voluntarily state on the tag which accompanies each bag of feed the exact formula which was used in manufacturing the feed, the digestible protein in the mixture, and the total digestible nutrients in one ton. We cannot compel manufacturers to put these data on the tag by legislation in the different states because we cannot at present devise any means to enforce such a law. No known method of analysis can determine the exact number of pounds of the different ingredients that have been used to make up a given mixture. However, I think that the voluntary statements of reliable manufacturers would be accepted and that manufacturers would gain much in the long run by stating just how the feeds are mixed. To further the work of a better understanding of manufactured feeds

and to help those manufacturers who desire the help of the colleges of agriculture, the College Feed Conference Board has been formed. The personnel of the board is: president, A. R. Merrill, Storrs, Connecticut, and secretary, E. S. Savage, Ithaca, New York.

The executive committee of the board is made up of the chairmen of the districts. The member states, districts, and college representatives are:

## Member States, Districts, and College Representatives

### DISTRICT I.

New Hampshire, J. M. Fuller, Durham, New Hampshire.

Vermont, E. H. Loveland, College of Agriculture, Burlington, Vermont.

Massachusetts, C. J. Fawcett, Massachusetts Agricultural College, Amherst, Massachusetts.

Connecticut, A. R. Merrill, Storrs, Connecticut.

Rhode Island, J. E. Ladd, Rhode Island College of Agriculture, Kingston, Rhode Island.

*District Chairman*, A. R. Merrill, Storrs, Connecticut.

### DISTRICT II.

New York, E. S. Savage, Ithaca, New York.

Pennsylvania, A. A. Borland, State College, Pennsylvania.

New Jersey, J. W. Bartlett, New Brunswick, New Jersey.

*District Chairman*, E. S. Savage, Ithaca, New York.

### DISTRICT III.

Delaware, T. A. Baker, Newark, Delaware.

Maryland, Devoe Meade, College Park, Maryland.

Virginia, C. W. Holdaway, Blacksburg, Virginia.

West Virginia, H. O. Henderson, Morgantown, West Virginia.

No. Carolina, R. H. Ruffner, State College Station, Raleigh, North Carolina.

*District Chairman*, C. W. Holdaway, Blacksburg, Virginia.

### DISTRICT IV.

Ohio, C. L. Blackman, College of Agriculture Columbus, Ohio.

Wisconsin, F. B. Morrison, Madison, Wisconsin.

*District Chairman*, C. L. Blackman, College of Agriculture, Columbus, Ohio.

### DISTRICT V.

Nebraska, H. P. Davis, College of Agriculture, Lincoln, Nebraska.

Missouri, A. C. Ragsdale, College of Agriculture, Columbia, Missouri.

Kansas, J. B. Fitch, College of Agriculture, Manhattan, Kansas.

Oklahoma, R. B. Becker, College of Agriculture, Stillwater, Oklahoma.

*District Chairman*, J. B. Fitch, College of Agriculture, Manhattan, Kansas.

If a manufacturing company wishes to avail itself of the help of the College Feed Conference Board, it will submit the formula that it wishes approved to the chairman of the district in which the feed is to be sold; or if the feed is to be distributed nationally the formula is submitted to

Professor A. R. Merrill, Storrs, Connecticut, for approval. The chairman of the district committee, when the feed is to be sold only in one district, sends the formula to his associates in his district for approval or criticism with suggested changes. If changes are suggested, the chairman of the district committee sends them to the company and then the formula is reconsidered. Finally the formula is approved and then the company is allowed to say that the formula of that particular feed is approved by the College Feed Conference Board. In the case of the formula for a feed that is to be sold nationally, the same procedure is followed except that the formula is considered and approved by the executive committee with Professor Merrill as chairman, instead of a district committee.

Any company co-operating with the College Feed Conference Board must sign the following agreement:

## College Feed Conference Board Memorandum of Agreement

We, the..... Company, in availing ourselves of the service of the College Feed Conference Board, agree to abide by the following general rules, and to file a written agreement to that effect with each of the colleges in the member states of the College Feed Conference Board in which we offer our feeds for sale.

1. That where the name of the College Feed Conference Board is used in print, as for example on the feed tag, in circulars, or in advertising of any kind whatsoever, the following statement shall appear:

"Approved by the College Feed Conference Board for the following districts and member states: district 1, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island; district 2, New York, Pennsylvania, New Jersey; district 3, Delaware, Maryland, Virginia, West Virginia, North Carolina; district 4, Ohio, Wisconsin; district 5, Nebraska, Missouri, Kansas, Oklahoma.

"The College Feed Conference Board approves formulas for feed manufacturers, but accepts no responsibility in supervising the mixing or sale of such feeds, nor does it guarantee the composition of feeds so manufactured."

2. It is understood that, in recommending formulas for home mixing or for feed manufacturers, no claim is made that such formulas are superior to those of other high grade home mixed or ready mixed feeds. The College Feed Conference Board intends each such mixture to be fed with special classes of groups of roughages, and in every case recommends that the farmer base his selection of a ration on the nature and variety of the ingredients, the content and cost of feed nutrients, and the results obtained.

3. That no attempt will be made on the part of co-operating manufacturers to advertise or claim a personal endorsement by any member college or individual connected with the College Feed Conference Board.

For the guidance of all companies that may wish to avail themselves of the service

of the College Feed Conference Board the board at its last annual meeting adopted the following specifications to which approved formulas must conform:

**College Feed Conference Board Specifications to Which Approved Formulas Must Conform**

1. All seed formulas must be public and be printed on the bag or on a tag, accompanying each bag. In case of bulk shipments formula shall accompany shipment.

2. The following list of ingredients is approved for use in College Feed Conference Board formulas:

1. Corn meal
2. Corn feed meal
3. Hominy (white or yellow)
4. Corn bran
5. Corn gluten feed
6. Corn gluten meal
7. Corn germ meal
8. Corn distillers dried grains
9. Ground oats
10. Ground barley
11. Ground malt
12. Malt sprouts
13. Brewers dried grains
14. Malt grains
15. Ground wheat
16. Pure wheat bran
17. Pure wheat middlings
18. Standard wheat bran (with mill run of screenings)
19. Standard wheat middlings (with mill run of screenings)
20. Flour middlings
21. Red dog flour
22. Wheat mixed feed
23. Ground buckwheat
24. Buckwheat middlings
25. Cottonseed meal with protein percentage stated
26. Linseed meal, o. p. with protein percentage stated
27. Soybean oil meal
28. Peanut oil meal
29. Cocoanut oil meal
30. Dried beet pulp
31. Alfalfa meal

32. Molasses (cane)
33. Molasses (beet)
34. Skimmed milk powder
35. Dried buttermilk
36. Blood flour
37. Tankage
38. Fish meal
39. Steam bone meal
40. Raw bone meal
41. Bone black
42. Ground limestone
43. Salt

3. The range of dairy feeds with respect to total protein content shall be 12%, 16%, 20%, 24%, 32%.

4. The minimum number of plant sources for concentrates represented in formulas for dairy feeds shall be four.

5. The maximum amount of cottonseed meal in formulas for dairy feed shall be 25%, except in the 32% mixture where it may be 40%.

6. The maximum amount of gluten feed shall be 40%. The maximum amount of gluten meal shall be 25%, except in the 32% mixture where it shall be 40%. The maximum amount of both gluten meal and gluten feed combined shall be 40%.

7. The maximum amount of ingredients from a single plant source shall be 75%.

8. Any ingredient shall not be considered as a plant source to conform to specification 4 unless it is present in 5% or more.

9. The minimum pounds of total digestible nutrients in one ton of 12% dairy feeds shall be 1375; in 16%, 1400; in 20%, 1440; in 24%, 1440; in 32%, 1450.

10. It is recommended that the weight per bushel of dairy feeds be about 32 pounds except the 32% mixture.

11. The College Feed Conference Board recommends that the minerals in dairy feeds, except the 32% mixture, be 1% steam bone meal or 1% raw bone meal, 1% ground limestone, and 1% salt. The steam bone meal or the raw bone

meal must be specially prepared for feeding purposes. Spent bone black of high grade may be accepted at the discretion of the approving committee.

12. The College Feed Conference Board recommends that the mineral content of the 32% feed be 1% steam bone meal and 2% ground limestone. The tags on 32% feeds shall carry the recommendation that cattle be supplied with salt.

IT WILL be seen from the foregoing discussion that a feed mixed according to a formula approved by the College Feed Conference Board is mixed from ingredients and according to the specifications that have been adopted by the men who know about feeds from 19 different colleges of agriculture. No formula is approved until it has been studied and carefully checked by the representatives of several colleges. Every company availing itself of the service of the College Feed Conference Board must sign an agreement that it will live up to the spirit of the work of the board.

The work of the board is entirely voluntary. The spirit of the work is to further good feeding practice and to help all companies who ask for such help to make their feeds the best possible. When a feed manufacturing company avails itself of this service and lives up to the spirit of the service, the farmer who buys the feed knows exactly how he is feeding his animals and can study out all the problems connected with the purchase of the feed and the feeding of his animals because he can figure exactly the cost of total digestible nutrients in the finished feed and compare the cost of the digestible part of the feed with cost of total digestible

(Continued on page 20)



PUTTING ON THE FINISHING TOUCHES

# The College Offers New Winter Courses

by Carl E. Ladd

THE College of Agriculture has reorganized the short course work and has added to the regular list of short courses two new courses offered for the first time this winter. The two new courses will be one in power machinery and farm mechanics and one in the marketing and producing of farm commodities. The marketing course will be divided into three sessions of two weeks each, one on potatoes and cabbage, one on apples, and one on dairy products. These courses will start January 2. The course in farm mechanics will start on November 9 and continue for twelve weeks.

Perhaps the two greatest problems that have confronted farmers during the past few years have been the newer machinery problems and the new marketing problems. Agriculture has changed so fast and developments in these two fields have come so rapidly that it is difficult to keep abreast of them; at the same time the subjects are so new that farmers have not had much practical experience with them. The father can not help his son with experience in these two fields as he can in almost every other field of agriculture.

The College of Agriculture recognizes this condition and offers these two new courses to help prepare young men for their farm machinery and farm marketing problems.

The course in power machinery and farm mechanics will deal largely with the care, repair, and adjustment of tractors, trucks, and gasoline engines. It will consist of practice work in the laboratory actually cleaning and adjusting used tractors and trucks. Students will be urged to bring their own tractors and trucks with them if possible. For those

students who come from far distant parts of the state and can not bring theirs, machines will be provided.

A thorough training will also be given in the principles of operation of these ma-

pairing, saw filing, and farm carpentry and blacksmithing.

The work in marketing will not start until the last half of the regular winter course period, or January 2. It will consist of three unit courses of two weeks each. Any one of these may be taken alone or all three may be taken in succession if desired. The first will consist of a study of marketing and production of potatoes and cabbage. The second course during the second two weeks' period will take up the marketing and production problems of apples and the third period will be devoted to study of the problems of dairy farming and marketing.

In addition to these new courses the regular work in general agriculture, poultry, fruit, vegetable growing, and dairy manufacturing will be given as in former years. These courses will include the newest scientific material available in their field and will be thoroughly practical in every way.

The winter courses have always been a strong part of the work of the College of Agriculture. Hundreds of winter course graduates are now on New York State farms making good in their own business and in their own community life. The short twelve-weeks' period gives an opportunity for a considerable acquaintance with college life and a close companionship with one's fellow students. The short course debates, speaking contests, student clubs, and many other activities give an opportunity for wider acquaintanceships and associations with others.

It is hoped that the two new courses and the many old time-tried courses will bring to the students of today and of the future the training most needed to help them perform their life work efficiently.



CARL E. LADD

Dr. Ladd is Director of the Extension Service. He has been Appointed Director of All Short Farm Courses Given at the College

chines and the reasons underlying all the practices taught. In addition to the work with power machinery considerable work will be given on the adjustment of binders, grain drills, care of spray-rigs, harness re-

## The Offer of the College

To be at home in all lands and ages; to count nature a familiar acquaintance and art an intimate friend; to gain a standard for the appreciation of the other man's work and the criticism of your own; to carry the keys of the world's library in your pocket, and feel its resources behind you in whatever you undertake; to make hosts of friends among the men of your age who are to be in all walks of life; to lose yourself in generous enthusiasms and co-operate with others for common ends; to learn manners from students who are gentlemen and form character under professors who are Christians; . . . . this is the offer of the college for the best four years of your life.

WILLIAM DEWITT HYDE,

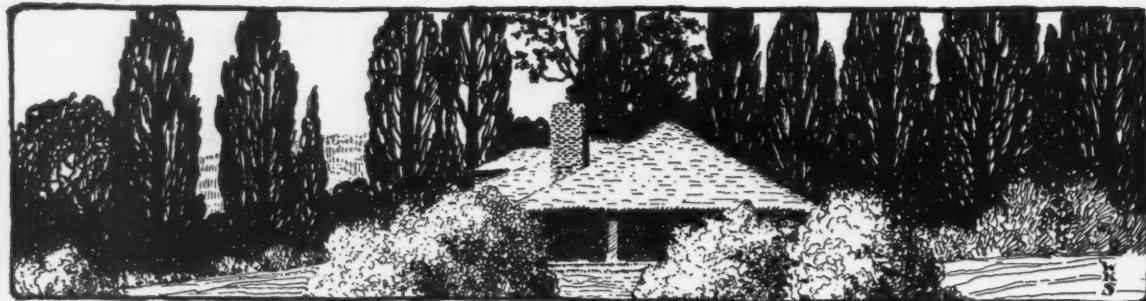
Former President of Bowdoin College.

## The Demands of the College

College life and work is now more than ever before under severe scrutiny from within and without. The day is passed when a vague or haphazard career through four college years can be called an adequate training for any field of usefulness. A university is to be regarded as a complex organization for accomplishing divers but quite definite things for us. It is for the faculty and the administration to clarify the objectives pertaining to their fields and to strengthen the various means of preparation, as it is for students to study their own aptitudes and purposes and to put themselves in the way of appropriate training. Herein lies our challenge for this and every year of college work.

CORNELIUS BETTEN,

New York State College of Agriculture.



## Through Our Wide Windows

### The New Council

**F**ELLOW STUDENTS, we congratulate you on the establishment of the Ag-Domecon Council. In the years since the old Ag Association was first formed, Cornell has grown, and with it the Ag College. The number of departments, faculty, and students has increased greatly. With this growth have come a division of interests and specialization in study, so that we now have two colleges, Agriculture and Home Economics. In each there is an increasing proportion of students who take the greater part of their work in one department such as forestry, animal husbandry, and hotel management.

The inevitable result of all this is that the comradeship and community of interests that was so integral a part of the early Ag College and Ag Association have been lost. Now there are too many for all to be well acquainted. Now interests are too varied for all to come together easily and often. It has become painfully obvious in the last few years that the Ag Association is no longer the unifying agency which it once was.

The students realized that if all were still to work together and play together, an organization was necessary which would be truly representative of each group, yet small enough to act quickly and efficiently. This the students established last spring in the Ag-Domecon Council, which is composed of a representative from each club, organization, and activity on the upper campus.

It is a new thing and new things become part of one's life slowly. It has its enemies and they will be heard. It will meet difficulties but they will be overcome by patience and industry. Whether or not the council will be launched easily and effectively depends in large measure on the spirit with which the students greet it and co-operate with it, setting the example for each other and for the freshmen.

### Do We Have Honor?

**I**FF WE on "top of the hill" don't mind being spied on, treated as potential crooks are, during examinations, we can stand back and let things take their course. If we are convinced that we are still irresponsible children, without a sense of honor, let us tell the faculty so when they meet in October to decide on whether ag and domecon shall continue under an honor system or return to faculty proctors. We can then go forth into the world, proudly, for all who know Cornell will know that we are judged as cheats and are not trustworthy.

But if we have a sense of honor and value it, we would do well to make it known, in our conversation, in letters to the faculty and to *THE COUNTRYMAN*, most of all in our conduct during examinations.

### In Which We Show Our Hand

**Y**OUTH, declare the sages, is the stage of independence. We are doubly young at this first shouldering of journalistic responsibility. We are glad to be young, for we can be independent with propriety. True, there are certain obligations which the editors of an agricultural student publication must fulfill. But beyond these we reserve the freedom to cater to no one's fancies and prejudices.

Our predecessors sent a questionnaire to a number of *COUNTRYMAN* readers to secure their opinions regarding certain features of the magazine. It was thought that the answers would help us to formulate a policy for *THE COUNTRYMAN* which would make it of greater interest and usefulness to a majority of its readers.

Accordingly our Former Student Notes section will be expanded, giving greater prominence to the older grads. Technical feature articles will predominate over the popular seasonal articles offered by the farm press. The colloquial tone of *THE CAMPUS COUNTRYMAN* will be encouraged. We will continue to bring the State Colleges of Agriculture and Home Economics to the attention of our 4-H club members.

Further we will not commit ourselves. The number and variety of opposite suggestions and requests that accompanied the answered questionnaires convince us of the futility of attempting to please everyone. We thank our readers heartily for their help and urge that they continue to offer it. But, obviously, we cannot take advantage of most of it. Such of it as appeals to us as significant in improving the quality of *THE COUNTRYMAN* in its peculiar field we will use willingly. The remainder we will deposit regretfully, but none the less firmly, in our copious wastebasket. In following this policy we believe that we are fulfilling our trust to *THE COUNTRYMAN* and its readers in the highest degree.

### The Volume Index is Ready

**T**HE TITLE PAGE and index to volumes XXIII 1925-26 and XXIV 1926-27 of *THE CORNELL COUNTRYMAN* is in readiness and will be mailed on request to any subscriber.

### Our Staff Increases

**T**HE COUNTRYMAN is pleased to announce the election of Helen Griffis '30 of Roslyn Heights and George W. Hedden '29 of Orange, New Jersey, to its editorial staff as associate editors and Beatrice E. Foster '30 of Owego, Willis D. Hull '29 of Portland, Merle J. Kelly '29 of Lysander, and Frances Leonard '30 of New York City to its business staff as associate managers.

# A Guide to Extra-scholastic Activities in the Colleges of Agriculture and Home Economics

A Review Compiled Especially for the Entering Class, That It May Have an Early Acquaintance with the Organizations and Activities on "Top of the Hill"

## College Activities

AG ATHLETICS comprise one section of Cornell's system of intra-mural sports, designed to provide athletic competition for those primarily who are not picked for varsity squads. Ag has teams in baseball, basketball, crew, cross country, soccer, tennis, and track. For the winning team in each sport the University awards a suitable trophy to be kept by the college. It also awards medals to individuals on winning teams. The College awards a shingle to each student who makes a position on one of its teams.

THE HONOR SYSTEM is at present awaiting action of some sort by the College Faculty. Last spring the Central Honor Committee was dissolved by the University Faculty and decision on a method of conducting examinations left with each college faculty. At the present time, therefore, the plan of conducting examinations in the Colleges of Agriculture and Home Economics rests with the discretion of each department.

The Honor System has long been in use at Cornell, and in the Ag College for many years before its general adoption by the University. Whether or not it will continue in ag and domecon depends in large measure on the attitude and actions of the students during the next few weeks. THE COUNTRYMAN opens its columns to correspondence on this subject with the thought that the faculty will appreciate an expression of student opinion.

KERMIS is a group of plays given by students in ag and domecon during Farmers' Week. Insofar as possible the productions are student written, the prize plays in a contest which closes November 10. Freshmen, especially, are urged to submit manuscripts and to try out for parts in the cast. One sophomore competition is held to choose the assistant manager and the assistant stage manager. The purpose of Kermis is to give training in rural dramatics and to help entertain our Farmers' Week visitors.

THE AGRICULTURAL ASSOCIATION is the central student organization on the ag campus. It aims to draw together the whole student body and the faculty of the College. The association has charge of ag athletics, dances, assemblies, and the banquet. It is the oldest association with continuous existence at Cornell.

THE FORESTRY CLUB is an organization for students in the forestry department. It holds frequent meetings for discussion of

THE AG-DOMECON COUNCIL consists of a representative from each of the organizations and activities described below. It acts primarily in all-college functions such as general assemblies, dances, banquets, barbecues, and the like. The council represents every student in the Colleges of Agriculture and Home Economics. It was organized last spring to fill the need for a compact, efficient body having the active support of all the students in both colleges. N. M. Davis '28 is the council's president.

activities and professional matters and for addresses by prominent foresters. Eats are a big feature of these gatherings. There is also an occasional dance and steak-roast.

THE CORNELL COUNTRYMAN is the official undergraduate publication of the Colleges of Agriculture and Home Economics. It appears monthly from October to June. Positions on the staff are determined by competitions for freshmen and sophomores. Both business and editorial competitions are held each term.

THE HOME ECONOMICS CLUB is the central student organization for women in the College of Home Economics. Among its annual activities are the candle-lighting ceremony and the \$100 award to the sophomore, junior, or senior in domecon who most needs and deserves the money. Membership is open to all women taking the regular course in home economics.

THE HOTEL ASSOCIATION is composed of all students enrolled in the hotel management department. Its purpose is to foster friendship and co-operation among the students, to represent the department in intercollege affairs, particularly athletics, to operate "The Ezra Cornell" (the opening of a hotel-for-a-day), and to enact measures necessary for the welfare of the students in the department.

THE WOMEN'S AGRICULTURAL ASSOCIATION is an organization designed to bring together the women interested in the fields open to them as graduates of the College of Agriculture, to stimulate understanding of the breadth of those fields, and to further social acquaintance. All women registered in the College of Agriculture are eligible for membership, which is determined merely by an expression of interest.

## Department Clubs

THE AGASSIZ CLUB is an informal group of undergraduates and graduates which welcomes anyone interested in any aspect of Nature. The group takes bi-weekly hikes for the pleasure of being out-of-doors, looking at "Nature instead of books," and hiking in the country about Ithaca. During the week preceding the hike the club is addressed on a subject fitting the season and the following hike.

THE FLORICULTURE CLUB is composed of students interested in floriculture who meet occasionally to promote a more intimate association between students and faculty, to discuss professional matters, and to keep in touch with persons outside the College who are specialists in practical or scientific floriculture. Many prominent speakers address the club during the year.

THE ROUND-UP CLUB is composed of students interested in animal husbandry. It meets in the Animal Husbandry Building every second Monday evening during the school year to listen to speakers who are specialists in animal husbandry. These meetings enable closer acquaintance between students and the faculty and are marked by good times and good eats. Every Farmers' Week the club maintains an information desk and cafeteria. All men interested in animal husbandry are welcome.

THE VEGETABLE GARDENING CLUB meets on occasion to afford opportunity for undergraduates, graduates, and staff to become acquainted with one another and to hear and discuss matters that are outside the range of course work. Visiting representatives of the commercial vegetable industry, of the seed trade, of other institutions and lands, and returning travelers of our own group have provided most of the program material. The club welcomes those who specialize in other departments than vegetable gardening but who are interested in its crops and problems.

## Honorary Societies

HEB-SA is a senior honorary society in the College of Agriculture. It aims to further the best interests of the College and to co-operate in solving problems which may confront the College. Members are elected by the society as juniors in the spring term and as seniors in the fall term. Eligibility is on the basis of extra-curricular accomplishments and scholastic standing. (Continued on page 21)



Hands



Health

## Boys' and Girls' 4-H Club

### State and National Club Events They Present Many Opportunities to New York 4-H Club Members

PROBABLY the greatest benefits which 4-H club members receive from participation in club work are the satisfactions which result from accomplishments in their homes and in their communities.

But all young people like to look out beyond the horizon. They like to know what others are doing. They like to measure their accomplishments against those from other communities and other states. And so there has gradually grown up a system of exhibits, demonstrations, and judging contests, which, starting in the local clubs, go on up through county, state, interstate, national, and international organizations, to one or more of which every diligent club member can look forward with some hope of participation.

#### The National 4-H Camp

One of the most sought-for honors in club work is the privilege of attending the National 4-H Club Camp held in Washington, D. C. Here four delegates from each state (two young women and two young men) meet together in conference and through mutual association gain a knowledge of nation-wide conditions which it would be almost impossible to get in any other way. Qualities of leadership are given prominence in the selection of these delegates as well as accomplishments in the material side of club activities.

#### National Club Congress

The largest gathering of 4-H club members having a national character is the National 4-H Club Congress held each year at Chicago in connection with the International Live Stock Show. Here sometimes as many as 1500 club members from ten to twenty states gather to participate in a score of different activities including sight seeing trips through the stock yards, the packing houses, and other places of interest. Because of the distance and other conflicting interests, New York club people have participated but little in the National Club Congress.

#### Camp Vail and the Eastern States Exposition

Camp Vail, the club encampment at the Eastern States Exposition at Springfield, Massachusetts, provides an opportunity for twelve outstanding club members from each of the thirteen northeastern states to take part in the club encampment, exchange ideas, and study the exhibits and attractions which the exposition affords. New York delegates to

Camp Vail are chosen for their ability as leaders and demonstrators as exemplified at the New York State Fair.

#### National Contests for Special Interests

The above national contests are open to outstanding club members, both boys

team and an exhibit of a car load of club cattle, usually accompanied by their owners.

The Madison Square Poultry Show conducts a judging contest for poultry club members in connection with its annual show in New York City. New York club members have been represented at this contest by a judging team for the past five years.

The National Vegetable Growers' Association for the past two years has had a club department consisting of competitive exhibits by garden club members together with vegetable judging and demonstration contests.

#### State Contests

The outstanding state contests for New York club members are held in connection with the State Fair, some three or four thousand dollars being budgeted by the fair each year for the boys' and girls' department. Here four delegates from each county having a club organization, spend the entire week at the state camp and give daily demonstrations. In addition 150 or more livestock club members show their animals and take part in the camp life. Here also are selected the delegates to Camp Vail and the National Dairy Show. This year a parade of 1500 club members was staged on Farm and Home Bureau Day at the fair.

Statewide activities for club members are held in connection with the State Vegetable Growers' Association for vegetable and potato club members.

#### Junior Field Days

The really big statewide gathering of 4-H club members is at Junior Field Days held each year at Cornell during the latter part of June between commencement and the beginning of summer school. This year more than two thousand club members were in attendance at the three-day meeting. They stay at the University dormitories, eat at the cafeterias, play, attend lectures and demonstrations, and absorb enthusiasm.

These, then, are some of the things that club members may look forward to as a means of rounding out their experience. Beside these, there are county and town fairs and achievement days in every county and other activities to challenge the interest of every wide-awake club member. They are a means of inspiration but in themselves are well worth while.

*Editor's note:* This is the first of a series of articles prepared for THE CORNELL COUNTRYMAN by W. J. Wright, extension professor at the College of Agriculture and state club leader. Each will deal with some one aspect of 4-H club work or activities. The complete series will present a comprehensive picture of club work of interest to the general reader and particularly to the person who may consider taking up club work as a side line or as a means of earning a living.



NEW YORKERS AT WASHINGTON

Left to right G. O. Hall, camp director; Mary Robinson, Otsego County; Franklin Reddout, Onondaga County; Eleanor Cleveland, Ontario County; Charles Goodwin, Chenango County; Mildred Stevens, assistant state club leader; and Professor W. J. Wright, state club leader.

and girls, no matter in what type of club work they are engaged. There are several others of a national character which are limited to those engaged in some special line of work. Among these are the National Dairy Exposition, the Madison Square Poultry Show, and the National Vegetable Growers' Association. All have club departments.

The National Dairy Exposition pays the expenses of a dairy club demonstration team and has a liberal premium list for exhibits of club cattle. There is also a judging contest. New York has been represented during the past several years by both a judging and a demonstration



## Former Student Notes

### Some Former Student Notes from the Cortland Valley

DURING the past spring vacation the writer and his classmates in farm management 203 had the opportunity of taking labor income records from a number of Cornell men that were farming in the Cortland Valley. The students in the course made the survey of the Tully and Homer farms under the direction of Professor E. G. Misner '13. This is one of the best dairy regions in the state due to its combination of grade A milk with cash crops. The first grade A milk station in the United States was established at Homer in 1911. The fertile soil and abundant rainfall of 19.1 inches during the five months growing season makes the Cortland Valley well adapted to cash crops, especially to cabbage. The survey just made will form the basis for the fourteenth bulletin that Professor Misner has published on the different dairy regions of the state. Bulletin 433 reports a study made in the same region for the crop of 1921.

The following notes are taken from the farms of some former students visited in that region.

Professor Misner '13 besides doing his research work in farm management also manages his 142 acre farm two miles north of Homer. At present he is keeping 32 cows, 20 head of young stock, and 750 hens, and last year he raised four acres of cabbage, two acres of peas, and two acres of potatoes on his 70 acres of crop land.

L. E. "Chubby" Rofe '18 now owns the 180 acre farm one half mile north of Preble which he rented for four years. He also share-rents an additional 45 acres. This gives him 100 acres of crop land on which he raised 11 acres of cabbage that yielded 16 tons to the acre, and 12 acres of canning factory peas that yielded over a ton to the acre. He is keeping 31 cows and 175 hens. The enumerator said "That man Rofe has a good farm and he is a good farmer." "Chubby" was on the wrestling team for three years and placed third in the intercollegiates in his senior year.

Wilbur J. Forbes '22 recently purchased the 200 acre farm that he has rented from

Homer Jones for the past three years. The farm is located four miles northwest of Homer on the Scott Road. It has 76 acres of good valley crop land on which Wilbur raised four acres of potatoes last year besides his feed crops. He is keeping a large dairy of 47 grade cows and 10 purebreds, and is producing grade A milk.



THE BRILL FARMSTEAD  
Owned and Operated by Thomas Brill '94 W.C.  
Near Cortland

Homer H. Jones '99 W.C. now operates three farms; he did manage four until he sold the one to Wilbur Forbes '21. On these three farms he is keeping about 200 cows. The farm where he resides is now stocked with 100 cows and produces grade A milk for the Sheffield plant. Mr. Jones also owns land in the west and is actively engaged in banking and in the feed business. He is the representative for route 16 of the Sheffield Farms Company Producers and served on the price committee for May. He was one of the first producers of grade A milk.

"Ben" Frary '13 owns a farm two miles north of Homer on the Preble trolley line. Mr. Frary was incapacitated with rheumatism last year and cash-rented his farm. This year he is running it himself with 20 cows and with some cabbage as a cash crop.

H. L. Creal '21 runs the David Harum Stock Farm at Homer and handles the G. L. F. service store at that place.

Thomas Brill '94 W.C. manages his 480 acre farm 2 miles east of Cortland. He keeps about 100 cows on the average through the year. Mr. Brill was superintendent of the University Farm for a year after graduation. Then he went to Dutchess County, and owned three farms there until he purchased his present farm in 1924. He also has quite a large business of buying and selling cows. His son, John, graduated from the ag college last June and his daughter, Achsah, is a senior in home economics this year.

W. W. Burtis '09 W.C. has been managing his 170 acre farm three miles northwest of Cortland since 1921. Prior to that time he worked in a creamery for seventeen years. He has 68 acres of some very fine valley crop land, which is mostly devoted to raising feed for his 60 cows and 26 heifers. During January, his month of highest milk production, he shipped almost a ton of milk a day.

M. E. Clark, W.C., has been running his 43 acre farm just off the Cortland Valley for the past eleven years. He is keeping nine cows and is a very good dairymen. He is master of the Little York Grange and secretary and treasurer of the Cortland County Farm Bureau. Before buying this farm he was in the creamery business for sixteen years.

Harry Underwood '23 W.C. is share-renting a good 114 acre valley crop farm at Little York. His principal cash crops are cabbage and peas. He is keeping 32 cows and is raising 12 heifers.

Besides these regular and winter course students we found a graduate of the Veterinary College managing his farm and doing T. B. testing work at the same time. This man, W. H. Potter '18, bought his 251 acre farm near Truxton seven years ago. He has 40 cows and ten heifers and devotes most of his crop land to raising feed for them.

This article was written by T. E. LaMont '27, last year's Former Student Notes editor. Next month there will be some former student notes gathered from Chenango County.

## Louis Agassiz Fuertes Dies in Grade Crossing Accident

**L**OUIS AGASSIZ FUERTES, Cornell's best beloved alumnus, suffered a fractured skull in a grade crossing accident at Potter's Crossing near Unadilla, New York, on Monday morning, August 22. Mrs. Fuertes, who was in the car with him, was thrown out at the same time. She was severely but apparently not seriously injured and was taken home from the Oneonta hospital two days later. Fuertes lost consciousness with the impact and died almost immediately.

The funeral on Thursday was for the family only. A memorial service is being arranged to be held in the Sage Chapel after the opening of the University.

Fuertes was a recognized scientific authority as an ornithologist, but it was as a painter of birds and small animals that he was universally conceded to have no equal. These abilities, his attractive and lovable personality, his ready wit and quick appreciation, all combined to make his studio at Wyckoff and Thurston Avenues the Mecca of scientists, artists, humorists, alumni, students, professors, boy scouts, persons with every sort of interest that found in him a kindred spirit and dropped in for a chat or for serious talk while he worked at his world-renowned paintings of bird life.

Louis Agassiz Fuertes was the son of Estevan Antonio and Mary Stone Perry Fuertes. He was born February 7, 1874, in Ithaca. His father, The Mogue, was dean of Civil Engineering. It was largely through the efforts of Liberty Hyde Bailey that Louis was permitted to study ornithology and to paint birds instead of becoming an engineer.

He graduated from Cornell with the degree of Bachelor of Science in 1897. His only other official connection with the University was begun in 1922 when he was made lecturer in ornithology. He was married in 1904 to Margaret F. Sumner of Ithaca. There are two children, Louis Sumner '27 and Mary. He is survived by his immediate family; his mother, who lives in Ithaca; two sisters, Miss Katherine

Fuertes of Aurora, New York, and Mrs. Sarah Fuertes Hitchcock of New York; and two brothers, Estevan A., and James Hillhouse Fuertes '83, both of New York.

Fuertes was a member of Alpha Delta Phi, Sphinx Head, and Sigma Xi. He was a charter member of the Savage Club of Ithaca and of the Ithaca Rotary Club. He was very active in boy scout work, being



LOUIS AGASSIZ FUERTES '98  
1874-1927

for five years chairman of the camp committee of the Ithaca Council, a member of their board of examiners and their executive board. He was elected Honorary Scout by the National Boy Scout Council, an honor he shared with but sixteen others, persons whose achievements in outdoor activity, exploration, and the like have stimulated the enthusiasm of boys toward the objects of scouting. His passing will leave a heart-ache throughout scouting.

He had gone on several exploring expeditions, including one up the Amazon. He had just returned this June from Abyssinia, where he had been ornithologist for the joint expedition of the Field Museum and the *Chicago Daily News*.

'05

Jay C. Hungerford is telling the high school lads at Moravia, New York, just how things should be done on the "old home farm".

'09

Edward L. Seymour is one of our literary bugs. Starting with the Doubleday-Page Company in an editorial capacity, he became engaged in publicity work for the government during the war. He is now with the De La Mar Publishing Company at 448 West 37th Street, New York City. Besides publishing a horticultural journal, this company prints a large number of seed and nursery catalogues. Ed was editor of THE COUNTRYMAN 1907-'08 and 1908-'09.

'12

Paul R. Guldin is president of the Pennsylvania Baby Chick Association.

Hawley B. Rogers announces the coming of another prospect for the College of Home Economics. Barbara Ann arrived April 27, 1927. Hawley is agricultural agent for the Erie railroad. They have a pleasant home at 166 Sturges Street, Jamestown, New York. There are also two other daughters, Frances and Jean.

'13

John S. Clark is general manager of the Marshall Field Estate on Long Island. Guernseys and thoroughbred horses are his pet stock. Johnny reports that his

Mr. Fuertes was engaged in writing a book concerning this expedition, the first book in which he was to be both author and illustrator. It was to go over the unfinished manuscript and the drawings with Frank M. Chapman, the ornithologist, that he made the ill-fated trip to Tannersville. The material for the book was unharmed.

Mr. Fuertes's principal productions other than illustrations for books include: his habitat bird groups in the American Museum of Natural History which are characterized in the New International Encyclopedia as "one of the most attractive features of the institution"; decorative panels for F. F. Brewster of New Haven, Connecticut; murals in the Flamingo Hotel at Miami; paintings for the New York Zoological Society; and decorative panels of the birds of New York in the State Museum at Albany.

Among the long list of books that he has illustrated are included the following: "Birding on a Broncho," 1896; "Citizen Bird," 1897; "Song Birds and Water Fowl," 1897; "Birdcraft," 1897; "The Woodpeckers," 1901; "Second Book of Birds," 1901; "Birds of the Rockies," 1902; "Handbook of Birds of Western United States," 1902; "Coues' Key to North American Birds," 1903; "Handbook of Birds of Eastern United States;" plates for the report of New York State Game, Forest and Fish Commission, 1903; "Upland Game Birds," 1902, and companion volume, "Waterfowl," 1903; "Birds of New York," 1910; series in the National Geographic Magazine, 1914-19; Burgess' "Bird Book for Children," 1919; Burgess' "Animal Book for Children," 1920.

Louis Fuertes numbered among his friends a great many persons of prominence all over the world. As word of his death goes out to the corners of civilization messages of condolence come pouring into Ithaca in a manner that leaves no room for doubt as to the standing of the man as a naturalist, artist, explorer, entertainer. —(Reprinted from Cornell Alumni News)

family now has a membership of two girls and one boy.

Fred Cockell is owner and manager of a large chicken hatchery at Milwaukie, Oregon. He has recently been appointed a member of the Oregon Livestock Sanitary Board, representing the poultry industry.

Mr. and Mrs. Carlton T. Cole of 70 Prospect Street, Little Falls, New York, announce the birth of a son, Kenneth Carlton, on May 3, 1927. "Carl" is a salesman of farm machinery for the Truman Colen Farmer's Supply Store in Little Falls, New York.

F. C. Smith is now with the Metropolitan Life Insurance Company. He is living at Ridgefield Park, New Jersey.

## From Now On *Farming Gets Better*

### The Question is:

**Are you going to get your share of this betterment?**

In these days, the man who learns most earns most.

In agriculture, the newer knowledge of the business of farming—such as costs of production and how to cut those costs, the growing of better stuff and selling it at a good price—enters into the question of whether your own position is going to get better along with the general improvement in agricultural conditions.

### ***Education Holds the Answer***

To meet new needs your College of Agriculture at Ithaca has just started something in the revised

### ***Winter Courses at Cornell***

For the first time the College offers shorter courses in growing and selling specific crops

**Potatoes and Cabbage      Apples      Milk**

Added to these are others, also offered for the first time, on

**Power Machinery and Farm Mechanics**

Because the New York Farmer has to get along with less help than formerly, he has a large investment in labor-saving machinery. To save money on this he should be able to make most of his repairs. The course teaches him how to make them.

### **Regular Courses, Too**

The new courses, set forth above, are in addition to the old stand-bys, which include:

<b>General Agriculture</b>	<b>Fruit</b>
<b>Dairy Industry</b>	<b>Poultry</b>
<b>Vegetables</b>	<b>Flowers</b>

Persons who have had a Cornell Winter Course—they have been going for 35 years—say that they have made more money as a result. Perhaps this chance to study will do as much for you.

### **Tuition is Free to Residents of New York**

For complete announcements and application blanks, send a postcard right now to the Secretary,

**O. W. SMITH,**

Roberts Hall, Cornell University, Ithaca, N. Y.

**The Courses Start on November 9. End February 17.**



Fred Morris now has served as farm bureau agent of Oswego County for three to four years. He lives at Oswego, New York. Fred is married and has one child.

E. A. Perregaux left Cornell April 1 and is now extension specialist in agricultural economics at the State Agricultural College at Storrs, Connecticut. "Perry" won second prize on the Eastman Stage in his junior year. Since graduation he has been doing advanced work in farm management here; he received his Ph.D. degree in June 1926. He went to Europe last summer and visited relatives in Switzerland, returning in the fall to Cornell as instructor in farm management.

Louis Zehner, former COUNTRYMAN editor, left (on June 1) the position of assistant county agent of Onondaga County at Syracuse to become field agent for the Federal Land Bank at Syracuse. He lives on Ostrom Avenue in Syracuse. His place in the farm bureau is filled by Wendell Field '27, who had charge of several prize winning herds at the State Fair this fall. From what we hear from farmers in the county Wendell is making "a hit" with them. Good for you, Wendell.

'23

George Adams tells us that on March 28 he made a substantial start toward a family of future Cornelliens. The boy's name is Paul. Mrs. Adams was formerly Elizabeth Harder. George is now con-

nected with the New York Life Insurance Company and says that he is sending Paul to Cornell Ag College to get the necessary training for a good agent.

Florence Becker is the home bureau agent of Chautauqua County. She may be reached by addressing the Home Bureau Office, Jamestown, New York.

Pearl Weaver, after teaching four years in Findley Lake High School, is now dietitian of Willard Straight Hall at Cornell University.

'24

Charles N. Abbey is county agent in Cattaraugus County. His office is at 393

Broad Street, Salamanca, New York. He is married and has one child, Harriet Jean, who was two years old September 3.

P. T. Dix Arnold is managing his own stock farm near Ocala, Florida. His address is Box 301, Ocala. He and his wife have a son, Frederick Burt, born last August. He writes that he hopes any Corneliens in the neighborhood will pay him a visit.

Homer P. Kerr has abandoned the rustic life; he is now works engineer at the Buffalo plant of the Du Pont Rayon Co. His address is 268 Shepard Avenue, Kenmore, New York.

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Quaker's years and years of successful experience. These facilities, and equipment, plus international distribution, enable Quaker to offer the very finest feeds at the most economical prices.

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16% 20% 24%

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Schumacher

Quaker  
Green Cross  
Horse Feed

George Brewer has returned from California and is now with the Manhattan Branch of New York Life Insurance Company at 150 Broadway, New York City.

Rushton Hawthorn and Ruth W. Reynolds '26 were married May 21. They will live at 43 Hoffman Avenue, Geneva, New York.

John C. Huttar and Mildred A. Biggs were married September 1. They are living at 828 North Aurora Street, Ithaca, New York.

A. A. "Mac" McKenzie, when cornered

in the 4-H building at the State Fair this fall, blushingly admitted he had "made the grade" and was engaged to marry Miss Margaret E. Fisher of Warsaw, New York. "Mac" is junior extension agent in Wyoming County at Warsaw. Congratulations "Mac".

Carl Wilson, who is an assistant professor of botany at Dartmouth, taught and did research at Cornell, in the summer school.

George R. Kreisel is farming in Lyndhurst, New York.

C. J. Peckham, as a part of his duties as agency organizer of the Manhattan branch of the New York Life Insurance Company, Suite 608, 150 Broadway, New York City, is making a circuit of the eastern colleges and universities this spring for the purpose of interviewing seniors who are contemplating a career in the life insurance business. "Peck" says there are now six other Cornellians with the New York Life Insurance Co., as follows: "Bill" Norman '23, George Adams '23, "Chuck" Rodwell '24, "Bob" Bred '25, "Chuck" Hewitt '25, and George Brewer '25.

Forest E. Mather recently moved to Moravia, New York from Hollis, New Hampshire, where he has been managing a large fruit and poultry farm for the past year and a half.

The engagement has been announced of Dana S. Weaver to Miss Gladys L. Peters, daughter of Mr. and Mrs. Anthony I. Peters of Brooklyn. They were married in September.

'25

W. Storrs Cole, who has been doing research in Mexico, has returned to Cornell to write a paper about Mexico. "Coley" is married and will live about town.

Dorothy Compton is supervisor of nature study at Princeton. She was an instructor in nature study here at Cornell summer school during the past two months. Her address is 243 Nassau Street, Princeton, New Jersey.

Dorothy Daly married William T. Johnson at Salisbury, Connecticut, on August 1.

Samuel B. Dorrance and Frances C. Ladd were married June 15, 1927. They will live at Canandaigua, New York.

Dorothy Genung is in training at the Presbyterian Hospital, New York City. She may be reached by addressing her in care of that hospital.

Olive M. Hoeffle is teaching in the public school at Passaic, New Jersey. Her address is 5 Maple Avenue.

Charles Hoeffle is farming near Johnson City, New York. His specialty is Guernseys. We expect Charlie's business is booming since he secured "the better half" necessary to make a farm a success.

E. R. McNeil is still with the department of agricultural markets, but he has temporarily changed his place of abode. "Shorty" is now living at 30 Ashland Avenue, Buffalo, New York, and making a survey of market conditions in that city.

Raymond Mauken is assistant treasurer of the Goshen Savings Bank at Goshen, New York. He says he will take care of our shekels for us.

Ysabel A. Muller married George A. Raub M. E. '24 on June 6, 1927.

Adelaide Wood married Paul T. Erickson '27 on June 4. They are living at 258 Clinton Avenue, Albany, New York.

## Get This New Government Film: Dynamite-Concentrated Power

THE U. S. Department of Agriculture has put the use of dynamite on the farm into moving pictures. This film shows how to blast stumps, break up boulders, dig drainage ditches, and otherwise bring waste lands under cultivation.

It is free. You can borrow it by merely paying transportation charges. In an entertaining manner it provides useful instruction for agricultural meetings—farmers' institutes, Granges, and the like. The film is suitable for every part of the country. A complete list of the Department of Agriculture's films, with information about getting the use of them, is in Miscellaneous Circular 86. Write the department, at Washington, for a copy.

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Fred E. Uetz is an inspector in the milk division of the Board of Health of the City of New York. He lives at 3478 Hudson Boulevard, Jersey City, New Jersey. He writes that George W. Sullivan has left the Borden Farm Products Company, and is also in the milk division of the Board of Health.

'26

Elizabeth F. Beattie married F. K. Lovejoy on September 3. They will live at Jackson Heights, Long Island.

Johanna Buecking is director of arts and dramatics at the Harlem Y. W. C. A., New York City. Mail sent to the Harlem Y. W. C. A. will be delivered to her.

M. B. Galbreath who taught agriculture at South Dayton last year now is teaching at Webster, New York.

Jeannette A. Gardiner married W. K. Powell on September 3, 1927. They are living at 209 Delaware Avenue, Ithaca. Mr. Powell is an instructor in farm management.

R. M. Goodelle is working for the Sauquoit Valley Dairy Farms. Ralph has charge of a herd of purebred Duroc Jersey hogs. His address is R. D. 1, Whitesboro, New York.

Edward F. Hiners, Jr. is the owner of a poultry farm, with a retail route in northern New Jersey. His address is Box 232, Englishtown, New Jersey.

Norman E. Hunt is with his father on a farm at Branchport, New York. "Norm" was married April 14, 1927, to whom we have as yet been unable to learn but hope that someone soon will enlighten us.

Mrs. Elizabeth Frances Leslie of New York has announced the marriage of her daughter, Jeanne Carmen, to George W. Sullivan, Jr. '26. Mr. and Mrs. Sullivan will live in Astoria, Long Island.

F. L. Miner is assistant manager for C. Krum who manages the Essex and Sussex at Springlake, New Jersey from May to November and the Flamingo, at Miami, Florida the remainder of the year. "Fritz" returned to attend the second opening of the Hotel Ezra Cornell.

A son, Buckley Charles, was born to Mr. and Mrs. A. L. Pierstorff in May at New Brunswick, New Jersey. Mr. Pierstorff was a graduate student here and instructor in the plant pathology department. He is now extension specialist in fruit growing at the Agricultural Experiment station at New Brunswick.

Raymond M. Stearns is a food cost accountant, at present stationed at the Hotel Utica, Utica, N. Y. His permanent address is 308 Wentworth Drive, Greensboro, North Carolina. He writes that Donald Wilson '25 and Reginald Stratton are with the Public Service Commission in Utica.

M. E. Thompson is assistant county agent of Cattaraugus County with headquarters at Salamanca, New York. Milo says April showers bring Mayflowers and May girls too; Betty Laura arrived May 3.

'27

Anna Aurell is wielding "the hickory stick" at Corning, New York.

Ruth Boies has started out in the field of extension. She is home bureau agent of Yates County and is located at Penn Yan, New York.

Marion N. Bronson is teaching science at Deposit, New York.

Ida Hungerford wandered far from her Alma Mater and home. She is teaching in the junior high school at Roslyn, Long Island.

Thelma Burnap is teaching home economics this year in the Orange High School, Orange, New Jersey.

Mary L. Chapin and Gerald F. "Gid" Britt were married on September 3, at East Bloomfield, New York. After the wedding, a reception was held at the Park Hotel for nearly fifty of the friends and relatives. There were about twenty Cornell alumni and undergraduates in the party, and to add to the spirit of the occasion Merrills Dake '26 led several Cornell songs. After the meal the bride and

## The New Prosperity

FARMING methods that only a few years ago seemed as permanent as the everlasting hills, are passing out of the modern picture with bewildering speed.

They are being replaced by methods that make use of more efficient equipment. The modern farmer is rapidly becoming a director of power and machinery.

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groom made a snappy get-away on a start for a ten days tour of the Adirondacks. After spending five months with the Portland Cement Association in Chicago, "Gid" returned to New York State in June to become farm bureau manager in Genesee County with headquarters at Batavia.

G. R. Conklin is farm manager and director of instruction in agriculture at Oakwood Seminary, Poughkeepsie, New York.

Clarissa Cunningham is the teacher of domestic at the junior high school at Batavia, New York.

R. B. Crane is tilling the soil of a market garden farm at Pine Brook, New Jersey.

Felicia Ferguson is at Machias, New York this year teaching home economics.

Edward A. Devlin is now at Canandaigua, New York. Ed is the teacher of agriculture.

Charles M. "Chuck" Emslie is helping his father run Emslie and Company at Barre, Vermont. They have a large floriculture establishment. "Chuck" has announced his engagement to Verna E. C. Pye '27.

Golde Ferguson is teaching home economics in Cassadaga High School, Cassadaga, New York.

Marjorie Grant has a position in Roslyn, Long Island, grade schools teaching home economics, this year.

Jane Lay has been teaching since February at Mamaroneck, New York. She is giving courses in clothing and foods for the children in the grades.

K. H. Martin is now teacher of agriculture at South Dayton, New York.

Elizabeth Marvin is teaching clothing in Newburg, New York. She has been there since February first.

Dorothy Miner is teaching in the high school homemaking department at Cooperstown, New York.

Mr. and Mrs. Harry L. Moore announce the arrival of Charles William on August 26th. Harry is now extension specialist in Blacksburg, Virginia.

Cornelius Parsons is teaching home making at Perry, New York.

Beatrice Pringle is a teacher of home economics at Newark, New York.

Olive Kilpatrick is holding forth at Lowville, New York, as instructor in home economics.

Alice Shoemaker has a position as teacher of home economics in Edmeston High School, Edmeston, New York.

L. O. Taylor started his first post-college job July 1. "Larry" is teaching ag at Perry this year.

Francis J. Townsend is assistant manager on the Homestead Poultry Farm at Honesdale, Pennsylvania. Livingston Blauvelt '20 is manager.

What their many friends, especially those on the COUNTRYMAN board, had long expected, took place when Norma H. Wright and George B. Webber '25 were married on June 16. Norma was women's editor of THE COUNTRYMAN for 1926-27. George was managing editor for 1924-25.

Robert L. Zentgraf won a graduate fellowship in agricultural economics. He is now with the department of agricultural economics, University of Florida, Gainesville, Florida.

'28

Evelyn Avery and Harry S. Travis were married September 3. They will reside in Albany at the Dudley Apartments.

Helen T. Wilcox and Hugh E. Dewart were married August 20 at Bergen, New York.

## College Feed Conference Board

(Continued from page 8)

nutrients in the hand mixed grain mixture from ingredients purchased singly. In short he has all the knowledge available with which to work intelligently in the purchase of feed and the feeding of his animals.

As the concluding statement of this article I wish to make it clear that so far as I understand it the College Feed Conference Board, which is made up of representatives in the colleges, exists to render purely voluntary service in an organized way to those companies that desire that help. The work of the board does not in any way take the place of the personal work of individuals in the colleges.

## Theory and Practise

Starting in this month on a long or short course in animal husbandry—or picking up where you left off last June—the subject of feeding is going to be foremost on your program.

During your course of training you will consider Corn Gluten Feed and Corn Gluten Meal and learn why these concentrates are superior for milk production.

During your career as a dairyman you will probably feed

### Buffalo Corn Gluten Feed and Diamond Corn Gluten Meal

as thousands of other dairymen do. Then you will see the theories of good feeding, which you are studying now, worked out in practical results at the milk pail.

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DEALER'S STOCK  
AND  
EVERY GOOD  
DAIRY RATION



40% Protein

October, 1927

21

**An Eye-Full for Insect Pests**

(continued from page 6)

are either absorbed in passing through certain media or have no effect on the retina to render them visible.

Although both extremes of the spectrum are invisible to the eye, they have marked influences on animal tissue. It is planned to make a thorough study of these influences and reactions in connection with insect life. It is entirely possible that insects do not have the same relative visibility as humans, the degree of which is known; in fact, it has been reported that bees are blind to red light, but can see farther into the violet than the human eye. Therefore, it is possible for the beekeeper to handle his bees in a cellar by using a red light. Although the bees are in total darkness, the keeper can see what he is doing.

The possibilities that have been uncovered by the little work which has been done in this field seem boundless, and results so far secured are of sufficient importance and satisfaction to warrant a continuation of investigation in this field.

**Honorary Societies**

(continued from page 11)

HELIOS is a senior honorary society in the College of Agriculture. It aims to further the interests of the College by cooperating with fellow students and members of the faculty to solve problems arising on the ag campus and to promote more intimate acquaintance between students and members of the faculty. Members are elected by the society primarily on the basis of scholarship.

OMICRON NU is a national honorary society in home economics. Its purpose is to promote scholarship, leadership, and research in home economics. Members are chosen in their junior or senior years. Eligibility is based on scholarship and leadership.

SEDOWA is a senior honorary society for women in the Colleges of Home Economics and Agriculture. Its purpose is to develop high standards of scholarship, leadership, and dignity in the women of these colleges. Members are elected in the second term of their junior year by the faculty, the junior and senior classes, and the active members of Sedowa. Eligibility is on the basis of scholarship, enthusiasm, and dignity.

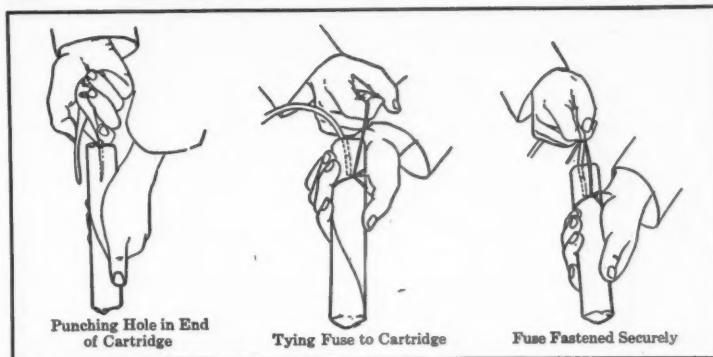
Y<sup>e</sup>HOSRS is a senior honorary society for hotel management students. It recognizes and encourages participation in extra-curricular activities, intramural athletics, and "The Ezra Cornell." The society entertains visiting hotel men and is building up a group of outstanding alumni throughout the country to ex-

**The Cornell Countryman**

change business patronage and ideas. Members are elected by the society in their junior or senior years.

PI ALPHA XI is a national honorary floriculture fraternity organized at Cornell in 1923. The purpose of the fraternity is to promote high scholarship, to foster good fellowship among its members, to increase the efficiency of the profession, and to establish cordial relations among students, educators, and professional florists.

LAMBDA GAMMA DELTA is a national honorary judging fraternity. It promotes advancement in the fields of judging agricultural products, honors persons who create a higher standard of such judging and persons obtaining a high standard in such lines of activity, and creates perpetual loan funds for the education of worthy students. Members of a college students' judging contest team are eligible.

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# The Campus Countryman

Around the  
Top of  
"The Hill"

Volume IX

Ithaca, New York, October 1927

Number 1

## RURAL ENGINEERING DEPARTMENT INSTITUTES NEW WINTER COURSES

### Machine Power on Farms Means That Farmers Must Have Mechanical Training

THE rural engineering department is instituting several new ideas in their winter courses. They are giving a course in farm mechanics. This course will cover and give to the men attending instruction in many mechanical skills.

The conditions on the farm, in the last few years, have changed greatly due to the advent of the gas engine, tractor, and truck. With the coming of these the problems of mechanics on the farm have greatly increased.

The labor problem has had a great deal to do with the perfection of labor saving devices of all kinds. Recently there has been a gradual migration to the cities of those formerly working on the farm. This is due in a large measure to the fact that wages have been increasing for factory help and decreasing for farm laborers. This labor shortage has lead to the rapid perfection of labor saving devices of all types.

#### Will Instruct in Blacksmithing

The town blacksmiths and mechanics have been lured to the towns by higher wages and consequently the farmer is left as his own mechanic and blacksmith. It is for these men that the course in farm mechanics has been instituted.

Realizing that the ordinary farmer cannot leave his job for any length of time, the job analysis method is used to teach the men. The course is broken up into several small parts such as, blacksmithing, harness making, wood working, plumbing, etc. making in all fourteen distinct topics.

The course lasts for 13 weeks though a man may enter at any time and leave at any time. The courses of instruction start November 9 and last until Farmers' Week in February. The department prefers, however, that the men come at the beginning and stay as long as possible.

While here the men will do actual work along the lines which they prefer. After they have finished what they think is necessary for a practical knowledge of this work, they are given a quiz. Then they may either continue along the same line or take up some other phase of farm mechanics.

### MORRISON REPLACES THATCHER AS EXPERIMENT STATION HEAD

PROFESSOR Frank B. Morrison of the University of Wisconsin has been appointed director of experiment stations in New York State to succeed Dr. R. W. Thatcher who recently resigned to become president of the Massachusetts Agricultural College. Professor Morrison will be director of the New York State station at Geneva, the Cornell University experiment station at Ithaca, and local field stations for the study of agricultural problems in various parts of the State.

Professor Morrison was raised on a dairy farm in southern Wisconsin. He entered

the University of Wisconsin where he completed the four-year course in three and one-half years, ranking highest in the graduating class of 1911. After graduation he became assistant to Dean Russell, and in 1914 he took charge of experiments with cattle, horses, sheep, and swine. He has been in charge of these experiments since that time. During the past thirteen years he has greatly helped to solve practical problems of Wisconsin's live-stock farmers, particularly of farmers who had dairy cattle.

In addition to writing many pamphlets and articles, Professor Morrison, in conjunction with Dean A. W. Henry, wrote a text on the feeding of live-stock, much



FRANK BARRON MORRISON

used in the United States and Canada. Since 1911, administrative tasks at the Wisconsin State College of Agriculture and the Wisconsin Experiment Station have occupied about two-thirds of Professor Morrison's time. In 1915 he succeeded Dr. Stephen W. Babcock as assistant director of the Wisconsin station. During most of 1918, and again during the period from 1924-26, he was acting dean of the college and acting director of the station during Dean Russell's absence.

#### Has Wide Experience

Dean A. R. Mann of the State Colleges of Agriculture and Home Economics says, "Professor Morrison combines in rare degree a practical knowledge of current needs of farmers with a scientific mind aware of the value of careful experiment. While he has had special interest in dairy feeding, he has had intimate contact with various agricultural problems, including horticulture."

Professor Morrison's appointment is effective October 1 and he will reside at Geneva, spending such time at Ithaca as the administrative duties confronting him there may demand.

## EIGHT DEPARTMENTS IN COLLEGE EXHIBIT AT STATE FAIR GROUNDS

### Entomology and Rural Engineering Emphasize Means of Combating Corn Borer

EIGHT departments of the Ag College had exhibits at the annual State Fair at Syracuse, August 29 to September 3. Two of these departments, entomology and rural engineering, co-operated with the United States Department of Agriculture in showing the life history of the corn borer and the methods used in combating the pest. A portion of a corn field was transplanted at the Fair so as to allow the implements used in exterminating the pest to be properly demonstrated.

The pomology department transplanted six growing apple trees which had been top worked and bridge grafted. The purpose of this was to show the desirability of reworking undesirable varieties and how to save trees that have been girdled by rodents or injured in other ways.

The plant breeding department had a large wheel of fortune using the motto "Why gamble with poor seed." They used a series of charts and samples of grain to show the advantages of using thoroughly tested and recommended varieties of grains.

#### Dairy Exhibits Brine Cooler

Models and plans for farm milk houses were shown by the dairy department. In this exhibit they had a small model brine cooler in operation for the purpose of comparing this method with the ordinary farm methods of cooling milk. The dairy-men also had another exhibit on pastures. A number of different pasture grasses were collected and methods for improving old pastures explained.

The results of experiments made in the poultry department were exhibited as part of the poultry exhibit. The use of sunlight, ultraviolet light, and cod liver oil to increase egg production were forcefully demonstrated. A sixteen pound sledge hammer was used to show the great pressure a strong shelled egg can stand. It proved interesting and amusing to everyone as well as showing how strong shelled eggs reduce transportation breakages.

#### Forestry Stresses Woodlot Improvement

A section of farm woodlot was constructed by the forestry department as part of their exhibit. The exhibit showed how the typical farm woodlot could be improved upon and weed trees eliminated. The department also ran a contest in naming the different species which were exhibited. The difference between the good trees and the weed trees was clearly brought out.

The College exhibits this year were well attended by a large group of interested persons both farmers and those interested in agricultural practices. Those in charge feel well pleased with the interest shown in the exhibits. They believe that now with the advent of new methods and machinery into farming, more than ever before, the State Fair is a great factor in helping the farmer.

**SENIOR SOCIETIES TO MEET  
FRESHMEN AT ORIENTATION**

**Reception to First Year Men Planned for  
Evening of October 11, Tuesday**

FRESHMEN will have a chance to become personally acquainted with members of Heb-Sa, Helios, and Ye Hosts, men's senior honorary societies in the Colleges of Agriculture and Home Economics, at the orientation hour on Tuesday, October 6. Two of the seniors will give short talks at that time on extracurricular activities and an honor system in the Colleges on "top of the hill."

After the talks the freshmen in agriculture and hotel management will separate into groups, each with one member of this student orientation committee. The senior will strive to get personally acquainted with the men in his group and to be of every assistance he can by answering questions and giving advice.

It is hoped that, by this contact with fellow students who know the problems of the first year men and can thus help them most, the freshmen may get started on the way toward getting the greatest possible out of their four years at college.

**Aggies Plan Reception**

A reception to all ag freshmen is planned for the evening of Tuesday, October 11, by the College Faculty, Heb-Sa, and Helios as an added feature of the work of the orientation committee. There will be stunts, speeches, cider and doughnuts.

THE COUNTRYMAN is co-operating with the committee in the publication of a guide to extra-scholastic activities in the two Colleges, which has been compiled and published on page 11 of this number.

**CONTRACTS FOR NEW BUILDING  
ARE FINALLY LET ON AUGUST 11**

A new era of building has been started on the upper campus during the summer. On August 11 the bids for the new Plant Industry Building were opened and the contract given to the Tuller Construction Company, Redbank, New Jersey. The contract included the clearing of the land and the laying of the foundation. Mr. J. B. Tuller, head of the firm, is a Cornell Civil Engineer who graduated in 1909. Work was started on the clearing and building on September 12.

During the summer the University started construction on the proposed reservoirs on the Mitchell Farm just east of Caldwell field. The water will come from Fall Creek and will be piped down the Tower Road. It is expected that this system will provide water for all University buildings making the use of city water unnecessary.

Lord and Burnham Company were awarded the contract for the new greenhouses which will be an extension of the old range of houses near Roberts Hall. Work has begun on these September 19.

The new road to Forest Home will be opened this fall and it is expected that within two years the County will put in a hard surfaced road.

**POULTRY SHOW SET FOR NOV. 15**

The sixth annual Poultry Production Show will be held this year on November 15, 16, and 17. This is about three weeks ahead of the usual time of the show but poultrymen at the College think that the change will make it easier for poultrymen to attend and at the same time the weather should be better for shipping the birds.

**FOOTBALL SCHEDULE—1927**

Sept. 24	Clarkson Tech	at Ithaca
Oct. 1	Niagara	at Ithaca
Oct. 8	Richmond	at Ithaca
Oct. 22	Princeton	at Ithaca
Oct. 29	Columbia	at Ithaca
Nov. 5	St. Bonaventure	at Ithaca
Nov. 12	Dartmouth	at Hanover
Nov. 24	Pennsylvania	at Philadelphia

**DR. OTTO RAHN JOINS FACULTY  
AS BACTERIOLOGY PROFESSOR**

DR. Otto Rahn, one of the world's foremost authorities on bacteriology and dairy physics, has recently joined the faculty of the College of Agriculture as professor of bacteriology.

Professor Rahn is a man of wide and varied experience in bacteriology. From 1912 to 1914 he was with the department of bacteriology in the College of Science



OTTO RAHN

at Illinois University. He returned to Germany from there and in 1919 he was made a professor in the Berlin Agricultural College. Later he was made the head of the dairy physics department in the Dairy Research Institute at Keil, Germany. This institute is one of the largest of its kind in the world and the largest in Europe.

In 1925 Professor Rahn toured the United States, lecturing at several of the larger universities. His tour was conducted by the International Education Board in cooperation with the American universities.

During the past year Professor Rahn and Professor P. F. Sharp, of the department of dairy chemistry, wrote a textbook on dairy physics. This book is now in print in German and will soon be published in English. He is also a contributor to several other scientific works and is particularly well known for his chapter on physics in Marshall's *Microbiology*.

Dr. H. H. Boysen is with Professor Rahn as his assistant. Dr. Boysen took his doctor's degree under Professor Rahn at Keil where he made an important study in the moisture content of butter. They hope to continue their research work here.

In the year June 1, 1926 to June 1, 1927 there were 22 special meetings and brief courses given at the Ag and Domecon Colleges. Over 9,800 persons attended these various meetings and courses. Farmer's Week with 5,175 and the Junior Field Days with 1,925 had the largest attendance.

October, 1927

**PROFESSORS LEAVE TO ACCEPT  
NEW POSTS AT OTHER SCHOOLS**

**Professor G. A. Works Goes to University  
of Chicago as Dean of New Dept.**

PROFESSOR George A. Works, chairman of the university division of education, professor of rural education in the College of Agriculture and director of the summer school in agriculture and home economics resigned from the faculty. Professor Works graduated from the University of Wisconsin in 1904. He has been director of ruralschoolsurveys in New York and Texas.

Professor Works has accepted an appointment as dean of a new division of graduate research in library problems at the University of Chicago.

Professor Paul J. Kruse was appointed head of the department of rural education. Professor R. M. Stewart was appointed director of the agricultural summer school.

**Prof. Behrends Goes to Hope Farm**

Professor Frederick G. Behrends, of the extension department of rural engineering has resigned. He will be director of Hope Farm, a community and school for children at Verbank, Dutchess County, New York.

Professor Behrends graduated from Cornell in 1916. He has been connected with the College for the past seven years. He received the Master of Arts degree from Columbia. Mr. Behrends is a co-author of *Farm Engineering*, and has written a number of Cornell bulletins. He is engineering editor of the *American Agriculturalist*, and has edited a series of trade books.

**PROF. HARDENBURG RETURNS  
FROM LEAVE IN WASHINGTON**

Professor E. V. Hardenburg has returned from his year's sabbatic leave and will resume instruction in his courses in vegetable gardening. Most of his time last year was spent at the office of horticultural investigations of the Bureau of Plant Industry at Washington, D. C. While there he devoted his time to an investigation of the relation of the acidity of the soil solution on muck lands to yield and quality of leafy vegetables.

Later he made an extensive trip through the southern states, especially the truck crop production centers in the South Atlantic and Gulf States. He made a special study of tomato production in Florida, Mississippi, and Tennessee and of the pimento canning industry in Georgia. His investigations also covered the windbreak problem on muck land and included a week on the Minnesota peat lands in the vicinity of Hollandale and Saint Paul.

**FOREIGN PROFS VISIT CORNELL**

Cornell has been honored by visits from several foreign guests during the summer. Among them were Professor Peckow, of the University of Prague, Professor Groenewolt, of the University of Wageningen, Holland, and Professor Meister, of the Agriculture Experiment Station at Saratov, Russia. These men spent some time studying the work of the plant breeding department and their methods. They are touring the United States to get new ideas for their work in their home countries.

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## Domecon Doings



### FACULTY MEMBERS LEAVE: PROFESSOR PERKINS RESIGNS

PROFESSOR Nellie L. Perkins, who was in charge of work in child training, resigned from the faculty. Miss Perkins has been head of the course since it was founded. Professor Ethel B. Waring was appointed to succeed her. Mrs. Waring graduated from the University of Illinois in 1908, and took a master's degree at Stanford in 1917 and a doctor's degree at Columbia in 1925. Mrs. Waring has worked in her field in the public schools of Long Beach, California, the State Normal School at San Francisco, and on the staff of the Southern Branch of the University of California. Last year she was a professor in the University of Iowa. She is a member of Phi Beta Kappa. Mrs. Waring will supervise the graduate work and give the courses in child training for seniors and graduate students.

Professor Marie Fowler was appointed head of the nursery school. Miss Fowler graduated from Columbia University in 1918. She received a degree with special qualifications as supervisor of kindergarten. She received her M.A. from Columbia in 1922. She has held positions in the Omaha city schools, at the University of Missouri, and at Kalamazoo, Michigan. At Kalamazoo, she has been engaged for the past five years as supervisor of early education.

Miss Margaret Wylie and Mrs. Erma Underwood both resigned. They were both extension assistant professors of home economics.

Mrs. Irene Nehrling, manager of the cafeteria, also resigned. Miss Katherine Harris will take her place. Miss Gertrude Betten, from Mechanics Institute, will be assistant manager.

### Miss Weld Leaves Lodge

Miss Emma Weld, who was acting professor of home economics and chaperoned the Lodge, has resigned. Miss Sannie Callan, who has been doing extension work in nutrition, will take her place at the Lodge. Miss Callan will also teach a section of foods 1. Miss Marjorie Taylor will take Miss Callan's place in extension. Miss Taylor has studied in England and also at Teacher's College at Albany.

Professor Frances Hunter is on sabbatic leave this year. She is doing selling and executive work at Filene's in Boston. Miss Marion Hillhouse will be an instructor in clothing. Miss Helen Kay will be an extension assistant professor of clothing.

Miss Katherine Reeves and Miss Miriam Bartlett will be instructors at the nursery school. Miss Helen Koehler will be the nursery school secretary.

Miss Jean Simpson will be an instructor in foods. Miss Rachel Sanders will be an assistant in foods. Miss Vivian Drenckhahn will be an assistant and help Miss Spohn.

MANY students are wondering just what the relation is of the Domecon Club to the Ag-Domecon Council. Every girl in home economics pays \$1.50 to the council. Fifty cents goes to the Domecon Club and seventy-five cents for a year's subscription to *THE COUNTRYMAN*. The rest the council uses for ag-domecon activities. In this way the Domecon Club will get more money than it did before because every girl will pay. The Domecon Club will not be shoved out of existence. It will do just what it has done before except that the dues will not have to be collected by the club.

### DOMECONERS GET MARRIED

SEVERAL members of the faculty succumbed to the summer attacks of matrimony. Miss Elva T. Cambell, instructor in foods, married Andrew J. Fuller C.E. '27 on June 11.

Miss Gertrude Mathewson '23 married Albert R. Nolin '21 on August 20. They are living in Detroit, Michigan, where Mr. Nolin has a position with the Worthington Pump and Engine Company.

Miss Nancy E. Kritzer married Arthur J. Masterman '20 in July 1927. They are living at 202 Stewart Avenue, Ithaca. Mrs. Masterman will be an extension instructor in home economics this year.

### HOTEL INSTRUCTOR SELECTED

The hotel management course is growing. There are more students taking the course in ag accounting now than ever before. Consequently John Courtney will teach one division of the course in general and hotel accounting. He is a member of the class of 1925, the first class to graduate in hotel management.

### NEW COURSES ANNOUNCED:

#### TRIAL COURSES CONTINUE

TWO new clothing courses are included in the announcement, although they will not be given until 1928-29. Clothing 175 is called clothing costs. This course deals with the study of clothing costs for different family and occupational groups. Studies are made of comparative costs of ready-made garments and garments produced by other means. Clothing 190, merchandise selection, emphasizes the underlying principles of color and design with reference to the selection of textile merchandise.

Foods 224, human calorimetry, will be given the second term by Professor Spohn. Energy metabolism determinations will be made in the laboratory periods.

The two experimental courses, foods 2 and household management 140, will be continued. Foods 2 combines chemistry and foods. Household management 140 is a course in household economics.

### AGENTS HOLD SCHOOL

A TRAINING school for home demonstration agents was held at Cornell September 5 to 17. The school consisted of three courses, clothing, foods, and household management. The leaders were given the subject matter and methods of organization and presentation. The agents and county leaders will either teach the groups directly or train local leaders to give the work. Between 25 and 30 leaders and agents attended the school.

The clothing work was given the first five days. Miss Kay, Mrs. Day, and Miss Carney gave the lessons. Household management was given Saturday of the first week. Miss Brewer gave the lessons in food preparation. Miss Sonnenday taught nutrition. The foods work was largely for agents only. It took the last week.



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## Cornell



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## Foresters



### Of Saint Murphius

#### LARGEST CAMP EVER HELD CALLED BEST BY SENIORS

THE 1927 Forestry Camp started with a bang on the evening of August 23, when nearly all of the 28 students gathered at the Altamont Hotel, where they spent the first night. The next morning all hands reported on the camp ground back of the plant of the Oval Wood Dish Company, where tents were set up and plans discussed under the direction of Professors "Reck" Recknagel and "Sammy" Spring.

During the week, that the foresters stayed at Tupper Lake, they made trips to the old Forestry Camp, the tower on Mount Morris, and to the logging operations of the Oval Wood Dish Company, where they enjoyed a ride on a logging train. The seniors, especially, enjoyed the hospitality of the Oval Wood Dish Company, whose club and cafeteria more than made up for the dreary surroundings of alders and mud about the temporary camp. At last the day for moving to the new camp arrived.

#### Flivvers Move to New Camp

Camp was moved by the department truck, under the able guidance of "Cy" Pringle '26 and with the students following in a motley array of flivvers and puddle jumpers, "Matty" Mattison got the record having to change 11 tires in 4 hours. The first day in the new camp was spent in becoming accustomed to the new quarters, putting up tents and beds, setting up a 37 foot flagpole (the special pride of Professor Recknagel), and taking a dip in the brook in the rear of camp.

#### Camp Laid Out in Rectangle

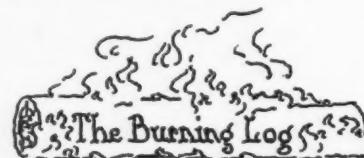
The new camp is ideal in location and utility. There is a new frame building which was built and given by Finch, Pruyne and Company of Glens Falls, for which the foresters are duly grateful. There is a good supply of clear, pure water piped to the kitchen and to the wash stand in the rear. The building is set in a little clearing, some distance from the state road, with a beautiful background of spruce and balsam. The tents are grouped on two sides of a rectangle with the club house, as it is called, on the third side and with the fourth side opening on the road. The building also contains a large mess hall which is also used for gatherings and work. The room contains a large stone fire-place with a hewn yellow birch mantel, which adds greatly to its coziness. A well equipped kitchen and cook's quarters take up the rest of the building.

The camp was split into two working parties with one group working on forest mensuration and the other on silviculture. The first group cruised, mapped, and estimated timber on the 440 acre tract belonging to Finch, Pruyne and Com-

pany while the second observed types on Goddenow Mountain and laid out sample plots at Tahawus. Later the groups changed places in the work.

The latter part of camp was spent in improvement cutting on the sample plots at Tahawus, a trip to look over the virgin timber at Boreas River, and sundry side trips. The last week end at camp was spent in a trip to Mount Marcy which took in all points of interest on the way.

The last night of camp was celebrated with a glorious banquet, at which there were several guests including Professors "Chief" Hosmer and L. P. Wehrle, Mr. H. C. Churchill, forester for Finch, Pruyne and Company, Mr. Thomas Crawshaw, the company's assistant forester, Dr. and Mrs. T. H. Foulds of Glens Falls, and Steve Lamos and Pat Donohue, caretakers of the company's lands.



#### HOWDY FROSH

Well, Frosh here you are. Never thought you'd get here did you? We suppose you have collected a lot of advice on the way. If you haven't you are different than most Frosh. Prof Guise is there to advise you on your studies and he lends a willing hand, too.

However, there is one thing we want to say to the Foresters of '31. In the first place there is the Forestry Club. It is run for your benefit and to help you. It is a gathering place for fellows with the same interests. It is a good outfit, in fact we think it is the best on the campus. You'd all be wise to join up as soon as possible. Lets turn out '31 and help to keep the club successful.

#### GUISE MANAGES NEW FOREST

Professor Guise has been made forest manager of the new Arnot Forest which was given to the University last spring. There has been but little work done on the Forest as yet but improvement work such as repairing roads, making trails, and the building of a few buildings is contemplated.

Professor Bentley started in July, on sabbatic leave, for the Orient where he will study forest conditions.

#### GROTON SPRUCE PLANTATION BEGUN IN '78 AS WIND-BREAK

THERE is a farm near Groton which is little known to the Cornell Foresters. The farm is owned by Storrs Barrows and has an excellent plantation of Norway Spruce. The plantation was started in 1878 as a wind-break.

When Mr. Barrows started his plantation, he found difficulty in locating trees. In those days there were no State nurseries to supply the growing stock. He finally got hold of some and in 1878 he planted a few hundred Norway spruce. These few hundred thrived so well that he kept adding more until at the end of ten years he had 2000 set out.

At that time Mr. Barrows was thought foolish by his neighbors for using his land for such purposes but now he reaps the benefit of his plantation.

Mr. Barrows is glad to have visitors see his plantation provided, of course, that they use care in smoking and depositing refuse. Here's a trip for the Cornell Foresters.

#### NEW MAN IN EXTENSION WORK

The appointment of Jim Davis as County Forester in Chautauqua County, has left a vacancy in the forestry extension staff. Jim's place will be filled this year by Austin Wilkins, a graduate forester of the University of Maine, who is doing grad work while here. Wilkins has just returned from an extended tour of the European Forests.

#### CLUB QUIPS

"Al" Quick, our honorable president, spent the early part of the summer at Plattsburg training to be a general or something. As trainers and also as his bodyguard he had "Sim" Simmons and "Pil" Bullock. From all reports he needed them to protect him from the wiles of those upstate women.

"Froggy" Pond spent the early part of the summer in a Boy Scout Camp near Albany. He looks healthy so it seems as though that camp and the forestry agreed with him.

"Ivy" Olsen and Ed Guck are turning travelers. The pair started west sometime after C. E. camp and ended up way down west somewhere and broke too we'll bet.

"Walt" Fleischer and "Marv" Smith must be hiding from the police or someone 'cause they weren't heard from all summer and haven't been seen much since.

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**CORNELL POULTRY DEPARTMENT  
ACTIVE AT WORLD'S CONGRESS**

**Fifty-Two Nations Represented at Largest  
Meeting of Poultrymen Ever Held**

THE third World's Poultry Congress was held in Ottawa July 27-August 4, 1927. Professor G. F. Heuser was secretary of the Congress. Professor J. E. Rice, Professor Heuser, Assistant Professors L. C. Norris and C. K. Powell all gave talks. The official languages of the Congress were French and English. After the talks, interpreters would give a review of the talk for the people who did not understand these languages.

This congress was the largest gathering of poultrymen that has ever been held and one of the largest meetings ever held in Ottawa. Fifty-two countries were represented. Every continent was represented.

**American Exhibit Prepared by U.S.D.A.**

In the morning, a regular outline program was followed. In the afternoon, the delegates looked at the exhibits. The American exhibit was prepared by the United States Department of Agriculture. The poultry departments and other organizations of the country contributed to it. The exhibit showed some of the more recent work of the United States poultrymen. Part of the contribution from Cornell showed the work Dean Marble has done on wing moult.

All the papers which were read at the meeting will be published in the proceedings of the congress. This volume will be ready in two or three months.

Sixteen out of seventeen people listed on the letterhead of the poultry department attended the Congress.

**FLORICULTURE FACULTY HAS  
SEVERAL NOTABLE ADDITIONS**

There are several new men on the faculty. Charles J. Hudson Jr., a graduate of the Iowa State College of Agriculture at Ames with the class of 1925, has been appointed to give the courses in culture of greenhouse and conservatory crops. Mr. Hudson has been with a large commercial flower establishment near Chicago since his graduation.

Richard Farnham '23 will be an instructor giving some courses in wholesaling and retailing flowers. Last year he was manager of the Patrick Flower Store at Auburn.

Professor E. I. Wilde, who is head of the department of floriculture at Pennsylvania State College, is completing his work for a Ph.D. He will give some courses in greenhouse construction.

**VEG GARDENING HAS NEW COURSE**

The department of vegetable gardening is offering a new course this fall on the grading and packing of vegetables. The course is designed to supplement the corresponding course given in the department of ag economics, the new course stressing production factors affecting marketability. Among these will be considered types, varieties, methods of growing, time and method of harvesting as affecting quality, and methods of grading, packing, and storing. All the common and important vegetables will be discussed.

Shipping point and terminal market inspection will also be treated briefly, as will the market news service. Professors H. C. Thompson and H. W. Schneek will give the course.

**20 YEARS AGO**  
(Taken from THE COUNTRYMAN,  
October 1907)

Work has begun on the new greenhouses for the departments of Professors Lyon and Webber. They are being placed east of the College and are to be used for work in plant evolution and experimentation. These two houses, measuring 60 x 28 feet, are but the beginning of the covered area that will be required as the departments develop.

**PROFS' PRANKS**

Professor "Chief" Hosmer seems to like the life of a Cape Cod fisherman. He spent the early part of the summer there with his family going from there to the Forestry Camp at Newcombe where he helped Professors Recknagel, Spring, and Guise pound a little knowledge into the seniors' heads.

Professor Spring returned from his sabbatic leave on July 1. He spent the summer, before going to camp, at New Haven with the Connecticut Agriculture Experiment Station studying forest soils.

Professor Recknagel did some work studying the spruce budworm while in camp. His work was done in co-operation with the State Conservation Department and with Dr. H. B. Pierson, an entomologist from Maine.

Professor B. D. Wilson, of agronomy, has been spending his sabbatic leave in Europe. He studied physical chemistry at Oxford, England, and also in Germany, France, and Switzerland. He will return the latter part of September to resume his work here.

Professor R. G. Wiggins of the plant breeding department, who left last year to continue the work of the plant breeding department in the University of Nanjing, has returned to this country. Because of the recent trouble in that part of China there are no Americans in the University now, though Professor Risler is directing the work from Shanghai.

Professor L. M. Roehl of rural engineering is spending his sabbatic leave in England at the school which Leonard K. Elmhirst is running at Totnes. Herbert Brokaw '27 is taking Professor Roehl's place in the shop.

Professor C. R. Crosby spent part of his vacation traveling in the west near Seattle, the Olympic Peninsula, Mount Rainier, and the Yellowstone. He collected about three hundred specimens of spiders and other insects. He also collected salamanders and frogs for the State Museum at Albany.

Professor L. G. Heimpel of MacDonald College, Montreal, Canada, spent some time at Cornell this summer, making dynamometer tests on tractors in cooperation with the folks in r. e.

Dr. R. W. Nafe has come to the rural social organization department to do research in rural life. Dr. Nafe is from the University of Colorado and from Clark University. He will have a few classes for advanced students during the second term of this year.

**DEAN MANN APPOINTS LADD  
TO DIRECT WINTER COURSES**

**Three Annual Shorthorn Scholarships  
Awarded in Chenango County**

DIRECTOR C. E. Ladd has been appointed by Dean A. R. Mann to direct the constantly growing number of short courses given at the College in which are included the winter short courses which begin, this year, November 9 and last until Farmers' Week in February. These courses are of an immediate practical character and serve the direct needs of the farmer as do the other types of extension work, with which Director Ladd is charged.

Director Ladd announces that several intensive courses of about two weeks each will be given along with the regular 12 weeks courses. There will be special courses on dairy, fruit, and cabbage and potatoes. Each of these will cover production, handling, and marketing problems.

The interest which farmers have shown in these winter courses is shown by the fact that in several places scholarships have been provided. One of these scholarships is known as the Beatty Agricultural Scholarship and is maintained by a gift from the late Harrison L. Beatty of Bainbridge, New York. This annual scholarship pays most of the living expenses for three residents of Chenango County while attending the short courses.

**FARM LIFE CHALLENGE CONTEST  
TO OPEN FOR BUDDING AUTHORS**

A new contest for budding authors and orators has been announced. It is called the Farm Life Challenge contest. It is a written and oral discussion of topics relating to the challenge of farm life. The contest is open to undergraduates in good standing in the College of Agriculture. The oral contest will be held Farmers' Week. The manuscripts, not to exceed 5000 words, are to be handed in at the secretary's office on or before November 11. The topic for 1928 is "Farm Relief Legislation." A first prize of \$100 and second prize of \$50 will be given by an anonymous donor.

**VEGETABLE GROWERS HOLD  
TWENTIETH CONVENTION**

The Vegetable Growers' Association held their twentieth annual convention in Syracuse from August 22 to 26. The program of the convention was broadcast from station WGY and Professors H. C. Thompson, R. M. Adams, and Paul Work were included on this program.

One feature of the convention was the 4-H work which has recently been done in vegetable growing. Several counties had 4-H exhibits consisting of eight plates of vegetables. Professor R. M. Adams conducted a judging contest for the convention juniors which proved itself to be one of the most interesting events on the program.

**SEDOWA ELECTS OFFICERS**

The Sedowa officers this year are as follows: president, Emma Gosman; vice-president, Laura Griswold; secretary, Jeanette Seeley; and treasurer, Evelyn Calkins.

Daniel Clark, research assistant in botany, and Miss Frederica Ahrens were married at Canandaigua on September 10. There were several Cornellians present at the ceremony.

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## CAMPUS CHATS

The unexpected death of Louis Agassiz Fuertes during the summer in an automobile accident came as a keen loss to his many friends and admirers in Ithaca. Throughout the world men and women are mourning the loss of a painter who saw nature with the keen, understanding eye of a scientist and portrayed it with all the reality and all the beauty of an artist. Here in Ithaca he is mourned more as a friend, for he was loved by all who knew him, young as well as old. We bear the sorrow and sympathy of all to his family. We console them with the thought that here was a man who lived up to the name which was given him as few men have had the opportunity and the ability to do before him.

We note with interest that the senior societies, Heb-Sa, Helios, and Ye Hosts, are taking an active and helpful interest in the freshmen this year. This is a real step forward in helping the frosh to become familiar with campus affairs. We cannot look back on our frosh days without wishing that we had had some coaching along the lines which these societies are planning. We wish them every success in this new and constructive experiment.

We are sorry to see so many professors leaving us this year. We cannot help but feel the loss. However, there can't be any loss without some gain and we wish those who have come to take their places every pleasure and satisfaction to be derived from living and working at Cornell and the fruition of all their hopes in coming here.

Last year the College of Agriculture gave degrees to 162 students. At the same time the farm management department, by means of thorough investigations, discovered that Cornell men who were practicing agriculture were earning more than double the amount of non-Cornell men.

Assuming that this is true throughout the country, it seems as though in the very near future most of the successful farmers will be college men. All of us, of course, will not be farmers but many of us will and there are ample opportunities to make good. The nation's prosperity depends on the prosperity of the farmers and we are beginning to see that this depends, in a large measure, on the education of the farmer. It's not so bad being a Cornellian, is it?

## Dedicated to the dear and innocent frosh.

If your college work doesn't keep you busy, here are some things to do.

Walk on sidewalks and cinder paths only.

Show proper respect for the people who don't wear frosh caps.

Read your frosh bible carefully.

Be seen and not heard.

Keep away from the co-eds at Sage.

Collect a bunch of A's and B's.

Smoke off the campus, don't burn it off.

Use plenty of moth balls in your golf knickers.

George Bernard Shaw says "I am of the opinion that my life belongs to the whole community, and as long as I live it is my privilege to do for it whatsoever I can."

This may also be said of the student and the University. Remember this, Frosh, when you have the opportunity to help.

## THIS 'ERE &amp; THAT 'AIR

## A RUDE RURAL HEAVEN

We used to hear from gospel sharps That up in heaven we'd play on harps, But some of us, we do not know A B-flat from a tremolo

To give a harp to every cuss Were tough on heaven and tough on us. Now as for me I want a shack

A little out and somewhat back,

Way off on some suburban line

Beyond the golden city's shine.

The country 'round I think is fair,

I read of pleasant pastures there,

Beside still waters of a brook

Where I may sprawl and read a book.

I want a home 'mid rural scenes

Where I can plant sweet corn and beans,

Yet sometimes rest awhile from labors

To gossip with celestial neighbors.

I'd like to lean upon my hoe

And swap new lies with Bill and Joe,

Where all lost friends for whom I sigh

Would live on little farms nearby.

I'd find in city life enslavement

E'en though it sported golden pavement.

Since I was born to country ways

And hated cities all my days,

I think that He who knows my need

Will give me that for which I plead.

I'll serve my fellows and my Lord

Not doubtful of a sure reward.

Such is the heaven I hope to gain,

So let me work both hands and brain,

And from all cussedness refrain.

—Bob Adams

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**FORMER AGGIE DOES FARM  
MISSIONARY WORK AT FAIR**

WHERE can a fellow find something good to look at," said a city-dressed lad, who had been wandering aimlessly up and down the aisles of the cattle barn at the Syracuse State Fair last August 29 to September 3. "You wait a second till I finish stripping this cow and I'll take you over to a building and open your eyes," I told him.

"Why look at that tree stump, will ya, it's 260 years old. I thought they never grew older than people do," exclaimed my friend. "And here is a map of the United States showing that the shingles that pop is using on our new house in the city came from Northern California. That's funny, bringing them so far east." His interest was aroused. The exhibits had stirred his imagination.

"See that big bug labeled 'corn borer'? The wall map of the country says that it threatens a two billion dollar corn crop. I hope they kill them first. It shows here that spring cleaning up, deep plowing, and fine cutting for the silo destroys them. I should think that every farmer would be sport enough to do his share, if it's as important as all that," remarked my friend, partly to himself.

We moved along past the "Good Seed Means More Money" exhibit and the "Cooling Milk by Means of a Brine Barrel" demonstration and finally stopped at a pen in which there was a wire muzzled calf. "Do they bite like dogs?" asked my friend. "No, no, if you read this booklet you'll see they're demonstrating a method of feeding calves to prevent white scours, a bane to the success of many cattlemen," I told him. "Golly, my uncle at Delhi ought to be here. I heard him say some-

thing about scouring calves when I visited him last month. I thought he was talking about using Dutch Cleanser on them."

I spent two hours with this fellow. He must have asked those in charge a thousand questions, many senseless ones, too.

"Say do ya suppose your boss would let me milk one those cows?" "Sure," I said, "go ahead and milk that big one on the end." All he got, besides a lot of experience, in the next half hour was sore muscles. The old cow was dry.

The thing which amazed me was the never-failing spirit of willingness to help and advise in which every question was answered by the men in charge of the exhibits. The city lad believed them all to be, what they were, experts.

As we walked back to the barns my agricultural protege remarked, "If I can come from the city and find these college exhibits so meaningful and interesting, I envy the farmers who see them, with their background of many years on the soil. It's a pity that every farmer in the State doesn't come every year."

R. E. Zautner '27.

If you have a good suggestion,

Send it in;

Or a joke, without a question

Send it in;

A story that is true,

An incident that's new,

We want to hear from YOU,

Send it in;

If you have a tale of woe,

Send it in;

Do not try to look too wise,

Or stand, by and criticise,

Just what do you advise?

Send it in.

—Selected.

**FOREST FARMERS VISIT  
NORTH COUNTRY NURSERIES**

PROFESSOR Cope, in co-operation with the Conservation Department, took a forestry tour through the Adirondacks. This was the fourth Adirondack Forestry Tour and proved to be well attended with men interested in forestry throughout the State.

The purpose of this tour was to interest people of the State in forestry. The group spent four days visiting the nurseries at Saratoga, the largest forest tree nursery in the world, Chestertown, Saranac Lake and other places having a forestry value and which are of historical and scenic interest.

**CLASSES TAKE LABOR INCOMES**

During 1920-26 the classes in farm management 103 took 77 labor income records on farms run by men who had graduated from Cornell. The average was \$4,220 labor income with a capital of \$33,189. They also took 106 labor incomes from farms run by men who had not attended Cornell and probably few had any agricultural training. Their labor income averaged \$1,886 with a capital of \$25,813. With a capital of only one-third more the Cornell men made more than double the labor incomes of the non-Cornell men.

Professor J. G. Needham is traveling in China with his family.

Mary Hescetch, erstwhile stenographer in the rural engineering office, was recently married to Paul Newton. The couple is now at home in Newfield, New York.

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**Circulation Manager**

**Cornell Countryman, Ithaca, N. Y.**



THE FIRST FLURRY